# SITE INSPECTION OF PROCINO PLATING

# DNREC SITE INVESTIGATION AND RESTORATION SECTION



DE-0344 September 2011

### Prepared by:

John G. Cargill
Site Investigation and Restoration Section
Department of Natural Resources and
Environmental Control
391 Lukens Drive
New Castle, DE 19720

### Reviewed and Approved by:

Qazi Salahuddin
Environmental Program Manager I
Site Investigation and Restoration Section
Department of Natural Resources and
Environmental Control
391 Lukens Drive
New Castle, DE 19720

#### **EXECUTIVE SUMMARY**

The Delaware Department of Natural Resources and Environmental Control, Site Investigation and Restoration Section (DNREC-SIRS), in cooperation with the United States Environmental Protection Agency (EPA), has conducted a Site Inspection (SI) at the Procino Plating facility (Site) located in Blades, Delaware.

The SI is intended to evaluate the extent to which a site presents a threat to human health or the environment by collecting and analyzing environmental media samples to determine whether hazardous substances are present and are migrating to the surrounding environment. The SI is not intended to be a detailed extent-of-contamination assessment or risk assessment. Therefore, information presented in this report for the Procino Plating facility should not be used as a means of contaminant delineation or as an indicator of source determination. This can only be characterized through further investigation.

Procino Plating is located at 901 South Market Street in Blades, Delaware. The site is approximately 1.16 acres in size, is comprised of two tax parcels (132-1.15-187.00 and 132-1.15-188.00), and is located at the intersection of South Market Street and 9<sup>th</sup> Street. The land use surrounding the Site is primarily residential.

The Site has been operational as a metal plating operation since the 1980's. Soil and groundwater data generated through this assessment was evaluated by DNREC-SIRS from an industrial use, residential use and drinking water use standpoint since the Site is surrounded by residential properties, and because area residents hydraulically downgradient of the Site utilize groundwater for drinking water purposes.

Iron was detected in soil samples PPMW-03D, PPSB-01D and PPSB-04D at concentrations exceeding its DNREC Uniform Risk-Based Remediation Standard (URS) in a Critical Water Resource Area for Unrestricted Use. Concentrations did not exceed the DNREC URS in a Critical Water Resource Area for Restricted Use, or the EPA Regional Screening Levels (RSLs) for Residential or Industrial use. Other metals were not detected at concentrations in excess of applicable standards.

Volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides and polychlorinated biphenyls (PCBs) were not detected in the shallow or deep soil samples selected for confirmatory analysis at concentrations in excess of regulatory standards.

Chloroform was detected in the groundwater sample collected from site monitoring well PPMW-06 at an estimated concentration of 0.9 micrograms per liter (ug/l). The DNREC Groundwater URS for chloroform is 0.1 ug/l. The concentration is below the EPA RSL for Tapwater and the EPA Maximum Contaminant Level (MCL). Chloroform is also a common laboratory artifact. Other VOCs were not detected at concentrations in excess of regulatory standards.

SVOCs were not detected in groundwater samples collected from the Site monitoring wells at concentrations in excess of regulatory standards.

Dieldrin was detected in the groundwater sample collected from monitoring wells PPMW-03, PPMW-05 and the PPMW-01duplicate sample at concentrations exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS. An EPA MCL does not exist for Dieldrin. Heptachlor epoxide was detected in the groundwater sample collected from monitoring well PPMW-03 at a concentration exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS, but below its EPA MCL. PCBs were not detected in the groundwater samples collected from Site monitoring wells.

Aluminum was detected in the total metals sample collected from monitoring well PPMW-01 and the PPMW-01 duplicate sample at a concentration exceeding its DNREC groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for aluminum. Aluminum was not detected in the dissolved metals sample from the same well or the duplicate. Nickel was detected in the total and dissolved metals sample collected from monitoring well PPMW-06 at a concentration exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for nickel. Chromium was detected in the total and dissolved groundwater sample collected from monitoring well PPMW-06 at a concentration in excess of its DNREC Groundwater URS and its EPA MCL. Cyanide was not detected in any of the groundwater samples collected from Site monitoring wells.

Barium was detected in six of the private water supply well samples collected in May 2010 and April 2011 at concentrations exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater and its EPA MCL. Manganese was detected in 11 of the private water supply well samples collected in May 2010 and April 2011 at concentrations in excess of its DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. Zinc was detected in the sample collected from one private water supply well in May 2010 at a concentration exceeding is DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. The same supply well was sampled again in April 2011, and although present, the concentration of zinc was below all applicable standards.

Cyanide was detected in one drinking water sample collected in April 2011. Although the concentration was low (0.02 mg/l, or 20 ug/l), it merits mentioning due to the uncommon nature of the detection. Review of the data and chromatograms by the DNREC-SIRS Senior Chemist indicated that the detected concentration was not an artifact of the laboratory analysis, and that the cyanide was present in the sample. The water supply well that the sample was collected from is screened at a depth of 43 to 48 feet below ground surface.

Surface water, sediment and air samples were not collected as part of this SI.

#### RECOMMENDATIONS

DNREC-SIRS recommends additional assessment at the Site in the form of a remedial investigation (RI) to further evaluate the horizontal and vertical extent of chromium detected in the groundwater from monitoring well PPMW-06 at concentrations exceeding EPA MCLs. In addition, the presence of pesticides in monitoring wells PPMW-01, PPMW-03 and PPMS-05 should be evaluated further since concentrations exceed DNREC and EPA screening levels. Because only shallow groundwater quality was evaluated through the SI, deeper groundwater quality needs to be evaluated for its potential impact to private water supply wells hydraulically downgradient of the Site, specifically from cyanide, and also for its potential impact to sediments in the Nanticoke River due to groundwater discharge.

The recommended RI can be conducted through the DNREC-SIRS Voluntary Cleanup Program (VCP).

# TABLE OF CONTENTS

|            | COMMENDATIONS                                     |    |
|------------|---------------------------------------------------|----|
| 1.0        | INTRODUCTION                                      | 1  |
| 2.0        |                                                   |    |
|            | 2.1 SITE LOCATION AND DESCRIPTION                 |    |
|            | 2.2 HISTORICAL SITE USES AND LAYOUT               |    |
| 3.0        | DNREC-ASSESSMENT RATIONALE AND SITE VISIT SUMMARY | 2  |
| 4.0        | METHODOLOGIES                                     |    |
|            | 4.1 SAMPLING                                      |    |
|            | 4.1.1 SOILS                                       |    |
|            | 4.1.2 GROUNDWATER                                 |    |
|            | 4.2 QUALITY ASSURANCE/QUALITY CONTROL             | 5  |
|            | 4.3 SAMPLE ANALYSIS                               | 5  |
| 5.0        | SOIL EXPOSURE PATHWAY                             | 6  |
|            | 5.1 PHYSICAL SETTING/SOIL MORPHOLOGY              |    |
|            | 5.2 SOIL TARGETS                                  |    |
| <i>(</i> 0 |                                                   |    |
| 6.0        |                                                   |    |
|            | 6.1 HYDROGEOLOGIC SETTING                         |    |
|            | 6.1.2 LOCAL HYDROGEOLOGIC SETTING                 | 8  |
|            | 6.2 GROUNDWATER SETTING AND TARGETS               |    |
|            | 6.3 GROUNDWATER ANALYTICAL RESULTS                |    |
|            | 6.3.2 OFFSITE GROUNDWATER/DRINKING WATER          |    |
| 7.0        | SURFACE WATER AND SEDIMENT EXPOSURE PATHWAY       | 10 |
|            | 7.1 HYDROLOGIC SETTING                            |    |
|            | 7.2 SURFACE WATER AND SEDIMENT SETTING            |    |
|            | 7.3 SURFACE WATER AND SEDIMENT ANALYTICAL RESULTS |    |
| 8.0        | AIR EXPOSURE PATHWAY                              |    |
|            | 8.1 AIR TARGETS                                   |    |
| 0.0        |                                                   |    |
| 9.0        | SUMMARY, CONCLUSIONS AND RECOMMENDATIONS          |    |
|            | 9.1 SUMMARY                                       |    |
|            | 9.3 RECOMMENDATIONS                               |    |

#### LIST OF TABLES

Table 1 Monitoring Well Information and Groundwater Elevations Summary of Soil Analytical Results - VOCs Table 2 Table 3 Summary of Soil Analytical Results - SVOCs Table 4 Summary of Soil Analytical Results - Pesticides & PCBs Table 5 Summary of Soil Analytical Results - Metals Table 6 Summary of Groundwater Analytical Results - VOCs Summary of Groundwater Analytical Results - SVOCs Table 7 Summary of Groundwater Analytical Results - Pesticides and PCBs Table 8 Table 9 Summary of Groundwater Analytical Results - Metals Summary of Private Well Analytical Results Table 10

#### LIST OF FIGURES

| Figure 1  | Location of Procino Plating                 |
|-----------|---------------------------------------------|
| Figure 2  | Site Features Map                           |
| Figure 3  | USGS 7.5 Minute Topo Map                    |
| Figure 4  | 1937 Aerial Photograph                      |
| Figure 5  | 1954 Aerial Photograph                      |
| Figure 6  | 1961 Aerial Photograph                      |
| Figure 7  | 1968 Aerial Photograph                      |
| Figure 8  | 1992 Aerial Photograph                      |
| Figure 9  | 1997 Aerial Photograph                      |
| Figure 10 | 2002 Aerial Photograph                      |
| Figure 11 | 2007 Aerial Photograph                      |
| Figure 12 | Monitoring Well and Soil Boring Locations   |
| Figure 13 | Private Well Sampling Locations             |
| Figure 14 | Groundwater Elevation Contour Map – 5/24/11 |

#### LIST OF APPENDICES

| Appendix A | Parcel Title Search                           |
|------------|-----------------------------------------------|
| Appendix B | Soil Boring Logs                              |
| Appendix C | Well Development Field Logs                   |
| Appendix D | Groundwater Sampling Field Logs               |
| Appendix E | Soil Sample Screening Results (on cd)         |
| Appendix F | Chain of Custody Records                      |
| Appendix G | Soil Sample Analytical Results (on cd)        |
| Appendix H | Groundwater Sample Analytical Results (on cd) |
| Appendix I | Drinking Water Sample Analytical Results      |

#### 1. INTRODUCTION

The Delaware Department of Natural Resources and Environmental Control, Site Investigation and Restoration Section (DNREC-SIRS), in cooperation with the United States Environmental Protection Agency (EPA), has developed this Site Inspection (SI) report for the Procino Plating facility (Site), located in Blades, Sussex County, Delaware (Figure 1).

The purpose of this SI was to investigate the possible existence of released hazardous substances at the Site through the collection and analysis of environmental samples. The analytical data generated from the collection and laboratory analysis of the environmental samples has been subsequently evaluated to determine the potential for human and environmental exposures to hazardous substances.

The objective of this assessment was not to define the full extent of site contamination or to conduct a risk assessment. Instead, DNREC-SIRS has prepared this SI report along with the evaluation of data to determine whether the Site should undergo further investigation or obtain a "No Further Action" (NFA) designation under the Federal Superfund and/or DNREC-SIRS Programs.

#### 2. BACKGROUND INFORMATION

#### 2.1. SITE LOCATION AND DESCRIPTION

Procino Plating is located at 901 South Market Street in Blades, Sussex County, Delaware. A site features map is shown as Figure 2. The Site is approximately 1.16 acres in size, is comprised of two tax parcels (132-1.15-187.00 and 132-1.15-188.00), and is located on the corner of South Market Street and West 9<sup>th</sup> Street. The central coordinates for the Site is latitude 38° 37'48" by longitude 75° 36'34". The elevation of the Site is an average of 10-20 feet above mean sea level with flat topography (Figure 3). Water and sewer service is supplied to the Site by the Town of Blades. According to the property owner, the Site is currently an active plating facility, although the extent of plating operations has been reduced to hard chrome plating for griddle tops, and minor aluminum etching.

The Site is surrounded by residential properties to the north, south and east. Rail-road tracks are located adjacent to the site towards the west, with a residential community located on the opposite side of the rail-road tracks.

According to the National Weather Service Data, the average yearly temperature in this area is 56 degrees Fahrenheit. In general, the month with the lowest average temperature is January, with average temperatures in the mid 30's. July has the highest average temperature, with averages in the mid 70's. The average annual precipitation is approximately 47 inches.

#### 2.2. HISTORICAL SITE USES AND LAYOUT

No Sanborn Fire Insurance Maps were available for review of the Site area. However, DNREC-SIRS reviewed aerial photographs for the years 1937, 1954, 1961, 1968, 1992, 1997, 2002, and 2007 (Figures 4 - 11). The following is a chronological summary based on the review of the aerial photographs.

The aerial photograph is of poor quality. The Site appears to be an undeveloped agricultural field. The surrounding parcels also appear to be agricultural fields (Figure 4).

1

- The Site appears to have one building located on the eastern portion of the property (Figure 5). It also appears that the surrounding properties have not been developed. However, several surrounding properties look like they have been cleared and sited for potential development. The Town of Blades appears to be developing and expanding.
- The aerial photo is of poor quality. The Site appears to be unchanged, with the one building in the eastern portion of the property. The surrounding properties appear to have been developed into residential properties (Figure 6).
- The aerial photograph is of poor quality. The Site and adjacent properties appear unchanged. The Town of Blades, however, has expanded (Figure 7).
- The aerial photograph shows considerable change to the Town of Blades, but the Site appears unchanged when compared to the 1968 aerial photo (Figure 8).
- The Site appears to have two additional buildings on the western portion of the property (Figure 9). The surrounding properties appear unchanged from the 1992 aerial photograph.
- A shed like structure appears to have been added onto the south side of the western Site buildings (Figure 10). Surrounding properties appear unchanged.
- The aerial photograph is concentrated on the Site. The Site and surrounding properties appear to be unchanged from the 2002 aerial photograph (Figure 11).

The current property owners purchased the two parcels in May and July of 1996. Additional ownership information can be found in Appendix A. The Site has been operational as a metal plating operation since the 1980's. Past use of the Site prior to a plating operation was not obtained by DNREC-SIRS.

#### 3. DNREC - ASSESSMENT RATIONALE AND SITE VISIT SUMMARY

In response to information obtained from the DNREC-Solid and Hazardous Waste Management Section (SHWMS) regarding improper handling of hazardous waste at the site, an area reconnaissance was conducted on May 19, 2010 with the Delaware Division of Public Health (DPH) Office of Drinking Water (ODW). The ODW was asked to accompany DNREC-SIRS to the area to sample any registered/permitted private water supply wells within the Town of Blades limits to determine if any chemicals were present that could possibly have originated from the Procino Plating facility. On the same day, SIRS personnel accompanied ODW staff during the collection of compliance samples from the two Town of Blades water supply wells. Only a few of the registered private water supply wells were found by DNREC-SIRS, each of which appeared to be out of service. As a check, water from an outdoor spigot from each of the residences where private water supply wells were registered was tested for the presence of chlorine, which would indicate that the water was being supplied by the Town of Blades. Each home that was tested by ODW was confirmed for the presence of chlorine. During the compliance sampling of the Town's water supply wells, the facility's Operator told DNREC and ODW that the community west of the Procino Plating facility and across the railroad tracks were all served by private water supply wells, because the community is located outside the municipal limits of the Town. SIRS and ODW personnel investigated the area and obtained permission to collect drinking water samples from 4 (four) residences. Detailed results of the sampling are discussed below. However, zinc was detected in one of the water supply wells at a concentration in excess of its EPA Secondary Maximum Contaminant Level (MCL).

Based upon the information obtained in May 2010, DNREC-SIRS decided to utilize EPA Preliminary Assessment/Site Inspection (PA/SI) funding to investigate the Site. The PA was completed and submitted to EPA in October 2010. As indicated in the PA, DNREC-SIRS personnel accompanied representatives from the DNREC-Solid and Hazardous Waste Management Section (SHWMS) on a site visit on September 14, 2010. During that visit, information was provided by Mr. Patrick Procino to SIRS staff regarding the past and current plating operations at the facility. A summary of that visit can be obtained from the PA for the Site. Results of the PA indicated that operations at the Site had the potential to impact soil and groundwater, and a SI was recommended.

During the planning stages for the SI, DNREC-SIRS and ODW personnel again visited the community located to the west of the Procino Plating facility to collect additional private water supply well samples. A total of 12 private water supply wells were sampled on April 28, 2011.

DNREC-SIRS personnel mobilized to the Site to perform soil sampling and monitoring well installation associated with the SI on May 24, 25 and 26, 2011. Thirteen (13) soil borings and six (6) monitoring wells were installed. The monitoring wells were sampled on June 16 and 17, 2011.

#### 4. METHODOLOGIES

#### 4.1. SAMPLING

DNREC sampled both shallow and deep soil from each soil boring/monitoring well location during this SI. In total, DNREC collected twenty-six (26) soil samples from thirteen (13) sample locations. DNREC also installed six (6) groundwater monitoring wells using a Geoprobe® rig, and collected one groundwater sample from each well. Soil boring and monitoring well locations are shown on Figure 12. Quality control samples were also collected for both soil and groundwater. All soil samples were screened in the DNREC-SIRS laboratory prior to determining which samples would be submitted to a fixed laboratory for confirmatory analysis. Groundwater samples were not screened at the DNREC-SIRS laboratory, but were submitted directly to a fixed laboratory.

Field sampling and sample handling adhered to the procedures as specified in the State of Delaware Site Inspection Quality Assurance Project Plan (QAPP). A copy of the QAPP is available for review at the office of the Department of Natural Resources and Environmental Control, 391 Lukens Drive, New Castle, Delaware, 19720.

In addition to the samples mentioned above, a total of sixteen (16) private water supply well samples from thirteen (13) locations were collected during the SI in cooperation with Delaware's ODW. All of the samples were submitted directly to a fixed laboratory for confirmatory analysis.

#### 4.1.1.**SOILS**

DNREC collected twenty-six (26) soil samples and appropriate QA/QC samples from thirteen (13) sample locations during this SI using a Geoprobe® rig and direct push sampling techniques. Soil borings were installed on May 24, 25 and 26, 2011.

Soil samples were collected in 5-foot acetate sleeves (cores), continuously, until the top of the water table was reached. Each acetate sleeve was removed from the macrocore sampler and split lengthwise to reveal the soil section. After each acetate sleeve was split, the core was screened with a Photovac® portable photo ionization detector (PID) and then logged by a DNREC-SIRS Hydrologist. No measurements above background readings (zero) were recorded for soil at the

Site. Composited shallow soil samples were collected from the top twenty-four (24) inches of the first core in each borehole. A composited deep sample was collected, generally, from the twenty-four (24) inches immediately above the water table. The shallow and deep samples collected for volatile organic compound (VOC) analysis were collected from the split acetate sleeve using a 10 milliliter (ml) syringe, and placed into a 40 ml VOA vial containing approximately 25 ml of methanol. The remaining soil was homogenized with disposable plastic scoops in a disposable food-grade aluminum pan and put into sterilized 8-ounce wide mouth glass jars for semivolatile organic compound (SVOC), pesticide/polychlorinated biphenyl (PCB), metals and cyanide analysis. The jars were appropriately labeled, placed in zip-lock bags, and stored in coolers with ice for transportation. The bore holes were subsequently backfilled with the remaining excavated material and sealed with bentonite as needed. Soil sample locations are shown on Figure 12. Soil boring logs are included as Appendix B.

#### 4.1.2.GROUNDWATER

DNREC installed six (6) groundwater monitoring wells on May 24 and 25, 2011 to assess the groundwater quality beneath the Site. Monitoring wells were constructed using 1-inch diameter polyvinylchloride (PVC) well casing and 10 feet of 1-inch diameter, 0.010 inch slot size, PVC pre-packed well screen. A pre-packed bentonite seal was used to seal the well screen from the surface. All of the monitoring wells were finished at grade using flush-mounted steel manways set into an approximate 16 inch square concrete pad. The monitoring wells were installed by a Delaware licensed well driller in accordance with the Delaware Regulations Governing the Construction and Use of Wells, April 6, 1997. All drilling activities were supervised by a DNREC-SIRS Hydrologist. Monitoring well locations are shown on Figure 12.

The monitoring wells were developed by pumping with a peristaltic pump and disposable tubing. The wells were surged several times during development with the well development tubing. Stabilization parameters of pH, temperature, specific conductance, dissolved oxygen and turbidity (visual) were noted at regular intervals during well development. Once the water was relatively free of suspended material, and all stabilization parameters were within approximately 10% of the previous reading, well development was discontinued. Well development logs are included in Appendix C.

On June 16 and 17, 2011, DNREC collected six (6) groundwater samples and appropriate QA/QC samples from the groundwater monitoring wells. Groundwater was collected from the wells using a peristaltic pump and disposable tubing. Each well was purged using low flow sampling techniques and until stabilization parameters, as noted above, were within approximately 10% of the previous reading. Three VOA vials preserved with hydrochloric acid (HCI) were filled first for VOC analysis. Two, 2-liter unpreserved amber jars were filled each for SVOCs, pesticides, and PCB analysis (total of 6). Next, one 250 ml polyurethane container preserved with sodium hydroxide (NaOH) was filled for cyanide analysis. Finally, two, 500 ml polyurethane containers preserved with nitric acid (HNO3) were filled for total metals and dissolved metals. The sample collected for dissolved metals analysis was filtered through a .45 micron in-line filter to remove the suspended solids within the sample. All sample bottles were appropriately labeled and placed in coolers with ice for transportation. Groundwater sampling logs are included in Appendix D.

#### 4.1.3.DRINKING WATER

On May 19, 2010, DNREC-SIRS and ODW collected samples of drinking water from 4 residences located in a community to the west of the Site. Permission was obtained from each of

the property owners prior to collecting the sample. Each sample was collected by an ODW certified Drinking Water Sampling Technician in laboratory supplied containers. Samples were collected for VOCs, trace metals and cyanide.

On April 28, 2011, DNREC-SIRS and ODW collected twelve samples from the same community mentioned above, in the same manner as mentioned above. Samples were collected for trace metals and cyanide only. A map of the community where drinking water samples were collected is shown on Figure 13.

#### 4.2. QUALITY ASSURANCE/QUALITY CONTROL

The QA/QC sample program requires that samples be collected to evaluate the quality of field sampling practices and equipment decontamination practices, including trip blanks, field duplicates, laboratory duplicates, and/or field rinsate blanks. An explanation of each follows below:

**Trip Blanks** consist of four (4) forty milliliter glass vials filled with distilled water and sealed with a Teflon lined cap. Trip blanks are used to evaluate the potential for cross contamination of site samples from contamination sources outside the sampling area. Trip blanks are filled with distilled water prior to sampling, sealed, transported to the sampling site and returned to the laboratory without reopening for analysis. Trip blanks are analyzed for VOCs only.

**Field duplicates** consist of an actual sample for which twice as much volume as necessary has been collected. Aliquots of this volume are then distributed in two sets of sample containers and submitted to the laboratory as two separate samples. Field duplicates are used to assess the consistency of sampling homogeneity and laboratory analytical consistency. One field duplicate was collected for soil and one field duplicate was collected for groundwater during this SI.

Laboratory duplicates (also referred to as Matrix Spike/Matrix Spike Duplicate [MS/MSD]) represent a sample location in which twice the normal sample volume is collected. The purpose of the laboratory duplicate is to provide the analytical laboratory with a sample which can also serve to calibrate analytical machinery. The laboratory duplicate is normally spiked with a known concentration of chemical and this sample is used to calibrate the instrument. One MS/MSD was collected for soil and one MS/MSD was collected for groundwater during this SI.

Field Rinsate blanks were not collected during this sampling event since all of the samples were collected using sterile disposable sampling equipment.

#### 4.3. SAMPLE ANALYSIS

Sample analysis consists of all or part of the USEPA Target Analyte List (Inorganics) and Target Compound List (Organics) (TAL/TCL). The TAL/TCL analytes are commonly associated with environmental and human health concerns because they are routinely found in former industrial and land filled areas.

All soil samples collected during this SI were first screened in the DNREC-SIRS laboratory for the following classes of compounds: VOCs, pesticides, SVOCs, polycyclic aromatic hydrocarbons (PAHs), PCBs, total petroleum hydrocarbons (TPH) and metals. Screening was performed using a portable Gas Chromatography/Mass Spectroscopy (GC/MS) and an X-Ray Fluorescence machine (XRF). Screened soil samples identified as having elevated concentrations of contaminants for a particular chemical suite were chosen for confirmatory analysis. Partial and/or full TAL/TCL confirmatory analysis may be conducted upon samples based on the results of the DNREC-SIRS

laboratory screening. Groundwater samples were not screened in the DNREC-SIRS laboratory, but were delivered directly to a confirmatory laboratory for full TAL/TCL analysis. The screening data associated with the Procino Plating site is included in Appendix E.

A GC/MS System was used by the confirmatory laboratory to analyze soil and groundwater samples for SVOCs, VOCs, pesticides and PCBs. Metals were analyzed using an Atomic Absorption Unit and an Inductively Coupled Plasma Unit (AA and ICP). Analysis using the GC/MS system and AA and ICP provides a good tool by which to determine the presence or absence of compounds and analytes at sites under investigation.

For this SI, five (5) of the soil samples (19%) and six (6) of the groundwater samples (100%), plus quality assurance/quality control (QA/QC) samples were submitted to a fixed laboratory for confirmatory analysis of chemicals of concern (COCs). The DNREC Environmental Laboratory in Dover, Delaware performed the analysis of VOCs, SVOCs and metals for both soil and groundwater samples. Test America, Inc. in Edison, NJ performed the analysis of pesticides, PBCs and cyanide for both soil and groundwater samples. Chain of custody records for soil and groundwater samples are included in Appendix F.

Drinking water samples collected for VOCs, trace metals and cyanide on May 19, 2010 were analyzed by the Delaware Public Health Laboratory in Smyrna, Delaware. Drinking water trace metals samples collected on April 28, 2011 were also analyzed by the Delaware Public Health Laboratory. Cyanide samples collected on April 28, 2011 were analyzed by Atlantic Coast Laboratories, Inc. in Newark, Delaware.

All analytical results were compared to appropriate EPA Regional Screening Levels for soil and/or tapwater, and Maximum Contaminant Levels (MCLs) for drinking water. In addition, results were compared to appropriate Delaware Uniform Risk-Based Remediation Standards (DE URS) for the Protection of Human Health as published in the DNREC-SIRS Remediation Standards Guidance under the Delaware Hazardous Substance Cleanup Act (HSCA), Revised December 1999. Soil, groundwater and drinking water analytical results are summarized in Tables 2 through 10, and are provided in Appendices G, H and I, respectively.

#### 5. SOIL EXPOSURE PATHWAY

#### 5.1. PHYSICAL SETTING/SOIL MORPHOLOGY

The Site is mostly covered by office space and warehouse type buildings. A very small portion of the east and south side of the property is grass covered. Paved parking areas extend the length of the northern side of the property, and a dirt access road and unpaved equipment storage areas occupy the west side of the property.

According to the U.S. Department of Agriculture (USDA), Soil Conservation Service (SCS) soil mapping report for Sussex County, the Site area consists of Evesboro loamy sand (EvB). The Evesboro loamy sand has a slope of 2-5%. This soil is found on ridges or on the sides of ridges within or adjacent to areas of Evesboro loamy sand, loamy substratum (EvA) with a 0-2% slope. Small areas of this substratum can have sand to the depth of 6 feet below ground surface. The substratum is finer textured and has the ability to hold moisture, making it better suited for crop cultivation. Woodland stands in the area mainly consist of second-growth hardwoods, but loblolly pine dominates in areas that were once cultivated.

#### **5.2. SOIL TARGETS**

Given the current Site land use, contact with potentially contaminated soils would be limited to targets such as visitors, business operators, customers, trespassers, adjacent property owners and migratory animals. There are no daycare facilities or schools within the 200 foot soil exposure pathway. The closest daycare is one mile east of the Site and the closest school is 0.17 miles east of the site. According to 2000 census data, there are approximately 454 people residing within a quarter mile of the Site, and approximately 3,020 people within one mile of the Site.

#### 5.3. SOIL ANALYTICAL RESULTS

VOCs, SVOCs, pesticides and PCBs were not detected in the shallow or deep soil samples selected for confirmatory analysis at concentrations in excess of regulatory standards. VOC analytical results in soil are summarized in Table 2. SVOC analytical results in soil are summarized in Table 3. Pesticide and PCB analytical results in soil are summarized in Table 4.

Iron was detected in soil samples PPMW-03D, PPSB-01D and PPSB-04D at concentrations exceeding its DNREC URS in a Critical Water Resource Area for Unrestricted Use. Concentrations did not exceed the DNREC URS in a Critical Water Resource Area for Restricted Use, or the EPA RSLs for Residential or Industrial use. Other metals were not detected at concentrations in excess of applicable standards. Metals analytical results for soil are summarized in Table 5.

Soil analytical results are provided in Appendix F.

#### 6. GROUNDWATER EXPOSURE PATHWAY

#### 6.1. HYDROGEOLOGIC SETTING

#### 6.1.1.REGIONAL HYDROGEOLOGIC SETTING

Information on the hydrogeologic setting was obtained from the Delaware Geological Survey, and information from the DNREC Division of Water Resources. According to information reviewed, the Site is located entirely within the Atlantic Coastal Plain physiographic province. The sedimentary beds gently dip southeast toward the Atlantic Ocean. The maximum total thickness of sediments is 4,200 feet in the northern portion of the Atlantic Coastal Plain and 5,200 feet thick in the southeastern portion. The general elevation of the Site is 10-20 feet above mean sea level.

The Procino Plating Site is situated on Nanticoke deposits of the area. The Nanticoke deposits consist of brown to light gray, fine- to medium-grained sand. The deposits are finely laminated to structure-less gray to brown clayey sandy silt, silty clayey sand and rare beds of gravelly coarse-to medium-grained sand. Some areas consist of shelly sandy silt, and sandy clayey silt with woody fragments. The Nanticoke deposits unconformably overlie the Pliocene aged Beaverdam Formation.

The Beaverdam Formation consists of light gray to white coarse- to very coarse-grained sand with beds of fine- to medium-grained sand. There is often a silt to clayey silt matrix in the area which can appear white when brought to the surface. Beds of sandy silt, clayey sandy silt, and clayey silt are common. The thickness of this Formation can be 75 to 100 feet. The Beaverdam

Formation is within the unconfined Columbia aquifer. This aquifer has a poor to excellent yield and minor confining beds.

The Cat Hill Formation (sometimes called Manokin Formation) underlies the Beaverdam Formation in the area of the Site, and contains the Manokin Aquifer. This formation is subdivided into subunits A and B. Subunit A consist of gray, blue-gray, and brown-gray silty clayey sand and silty sand with scattered lignite. Subunit B is made up of light to medium gray, or yellow-orange to red-orange, medium- to fine- and course-grained quartz sand with common beds of gravelly sand, and less common beds of clayey to silty sand. The thickness of the Cat Hill Formation can vary from a feather edge to 50 feet thick. The St. Mary's Formation conformably underlies Subunit A and is gradational into Subunit B.

The St. Mary's Formation is made up of blue-gray, green-gray, or gray silty sandy clay, clayey sandy silt, and silty clay, with beds of fine- to medium-grained quartz sand, and fine- to medium-grained gravel in a mud matrix. This formation can be up to 110 feet thick.

#### 6.1.2.LOCAL HYDROGEOLOGIC SETTING

Based on the review of the well logs generated during the drilling of monitoring wells, the shallow geology beneath the Site can generally be described as tan, brown and orange fine to medium grained sands to a depth of approximately 18 feet below ground surface underlain by tan to gray medium to coarse grained sands to a depth of at least 20 feet below ground surface.

Based on water level information gathered from site monitoring wells installed during this SI, shallow groundwater is present between 8 and 11 feet below the ground surface (bgs), and groundwater flow is towards the south-southwest (Figure 14). Monitoring well construction information, survey information, and calculated groundwater elevations are summarized in Table 1. Soil boring logs area included in Appendix B.

#### 6.2. GROUNDWATER SETTING AND TARGETS

The Site is connected to the Town of Blades public water supply. The nearest public well is approximately 0.20 miles north of the Site. The nearest offsite domestic well is approximately 110 feet from the western border of the Site.

Information gathered for the PA at the Site indicated that approximately 4,698 individuals could be using the groundwater for drinking purposes within four miles of the Site. This number may be higher due to wells constructed prior to 1970, when DNRECs well permitting program was initiated. A community located to the west of the Site is not connected to a public water supply. Each tax parcel contains its own private water supply well.

There are 18 well head protection areas within four miles of the Site. In addition, the Site is located within a well head protection area for the Town of Blades water supply wells.

#### 6.3. GROUNDWATER ANALYTICAL RESULTS

#### **6.3.1.ONSITE GROUNDWATER**

Chloroform was detected in the groundwater sample collected from site monitoring well PPMW-06 at an estimated concentration of 0.9 micrograms per liter (ug/l). The DNREC Groundwater URS for chloroform is 0.1 ug/l. The concentration is below the EPA RSL for Tapwater and the

EPA MCL. Chloroform is also a common laboratory artifact. Other VOCs were not detected at concentrations in excess of regulatory standards. VOC analytical results in groundwater are summarized in Table 6.

SVOCs were not detected in groundwater samples collected from the Site monitoring wells at concentrations in excess of regulatory standards. SVOC analytical results in groundwater are summarized in Table 7.

Dieldrin was detected in the groundwater sample collected from monitoring wells PPMW-03, PPMW-05 and the PPMW-01duplicate sample at concentrations exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS. An EPA MCL does not exist for Dieldrin. Heptachlor Epoxide was detected in the groundwater sample collected from monitoring well PPMW-03 at a concentration exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS, but below its EPA MCL. PCBs were not detected in the groundwater samples collected from Site monitoring wells. Pesticide and PCB analytical results in groundwater are summarized in Table 8.

Aluminum was detected in the total metals sample collected from monitoring well PPMW-01 and The PPMW-01 duplicate sample at a concentration exceeding its DNREC groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for aluminum. Aluminum was not detected in the dissolved metals sample from the same well or the duplicate. Nickel was detected in the total and dissolved metals sample collected from monitoring well PPMW-06 at a concentration exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for Nickel. Chromium was detected in the total and dissolved groundwater sample collected from monitoring well PPMW-06 at a concentration in excess of its DNREC Groundwater URS and its EPA MCL. Cyanide was not detected in any of the groundwater samples collected from site monitoring wells. Metals analytical results in ground water are summarized in Table 9.

Groundwater analytical results are provided in Appendix G.

#### 6.3.2.OFFSITE GROUNDWATER/DRINKING WATER

Barium was detected in six of the private water supply well samples collected in May 2010 and April 2011 at concentrations exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater and its EPA MCL. Manganese was detected in 11 of the private water supply well samples collected in May 2010 and April 2011 at concentrations in excess of its DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. Zinc was detected in the sample collected from one private water supply well in May 2010 at a concentration exceeding is DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. The same supply well was sampled again in April 2011, and although present, the concentration of zinc was below all applicable standards.

Cyanide was detected in one drinking water sample collected in April 2011. Although the concentration was low (0.02 mg/l, or 20 ug/l), it merits mentioning due to the uncommon nature of the detection. Review of the data and chromatograms by the DNREC-SIRS Senior Chemist indicated that the detected concentration was not an artifact of the laboratory analysis, and that the cyanide was present in the sample. The water supply well that the sample was collected from is screened at a depth of 43 to 48 feet below ground surface.

Analytical results of drinking water well samples is summarized in Table 10, and provided in Appendix H. The locations of the samples are shown on Figure 13.

#### 7. SURFACE WATER AND SEDIMENT EXPOSURE PATHWAY

#### 7.1. HYDROLOGIC SETTING

The Town of Blades is situated inside a bend of the Nanticoke River, directly across from the Town of Seaford, Delaware. The direction of surface water flow, based on topography and site characteristics, appears to be westerly toward the Nanticoke River and the Chesapeake Bay.

The Nanticoke River is approximately 1,300 feet from the western border of the site. The Nanticoke River winds through Delaware and Maryland until it reaches Chesapeake Bay. According to Federal Emergency Management (FEMA) information, the Site lies outside the 500 year flood zone.

#### 7.2. SURFACE WATER AND SEDIMENT SETTING

A review of the Delaware Natural Heritage and Endangered Species Program (NHESP) database was conducted to identify any possible state or federally listed threatened or endangered plants, animals or natural communities within the 15 mile surface water pathway from the Site. According to NHESP, there are currently no rare state or federally listed plants, animals or natural communities at the Site. However, there is numerous state and federally threatened/endangered species listed approximately 3-5 miles downstream and upstream from the Site. There are additional species located within the 15 mile downstream and seven (7) mile upstream extent of the surface water pathway for tidal water bodies.

According to the Surface Water Branch, there are no surface water intakes for potable water in Sussex County.

#### 7.3. SURFACE WATER AND SEDIMENT ANALYTICAL RESULTS

Because surface water and sediment bodies are not located onsite, no surface water or sediment samples were collected during this SI. However, the potential exists, through groundwater discharge, for Site related contaminants to impact the sediments in the Nanticoke River.

#### 8. AIR EXPOSURE PATHWAY

#### 8.1. AIR TARGETS

Site visitors, business operators, customers, trespassers, and adjacent property owners are possible air targets. There are 6 daycares and 11 schools within a four (4) mile air target pathway. The closest daycare is one mile east of the Site and the closest school is 0.17 miles east of the site. According to 2000 census data, there are approximately 454 people residing within a quarter mile of the Site, and approximately 3,020 people within one mile of the Site, and approximately 19,380 people within the four (4) mile air exposure pathway of the Site.

Exposure to site contaminants is not likely to follow a soil or ground-water to air pathway.

#### 8.2. AIR ANALYTICAL RESULTS

A formal air sampling program was not conducted as part of this investigation. Air monitoring was, however, preformed during sampling as part of the Health and Safety Plan (HASP) utilizing a PID. There were no PID readings above background levels detected during sampling activities.

#### 9. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

#### 9.1. SUMMARY

Between May 24 and 26, 2011, DNREC-SIRS personnel collected twenty six (26) soil samples, including both shallow and deep samples, and installed six (6) groundwater monitoring wells at the Site. Groundwater samples were collected from the site monitoring wells on June 16 and 17, 2011. All soil samples were screened in the DNREC-SIRS laboratory for VOCs, SVOCs, pesticides, PCBs, and total metals prior to choosing samples for confirmatory analysis by a fixed laboratory. Each of the 6 groundwater samples (and QA/QC samples) was submitted to a fixed laboratory for analysis. A total of 5 soil samples were analyzed for the full US EPA TAL/TCL analyte list based on screening laboratory results. Each of the groundwater samples was analyzed for the full US EPA TAL/TCL analyte list.

On May 19, 2010 (during completion of the Preliminary Assessment), DNREC-SIRS and ODW personnel collected drinking water samples from four (4) residences located to the west of the Site. On April 28, 2011, twelve (12) drinking water samples were collected from the neighborhood located to the west of the Site.

Iron was detected in soil samples PPMW-03D, PPSB-01D and PPSB-04D at concentrations exceeding its DNREC URS in a Critical Water Resource Area for Unrestricted Use. Concentrations did not exceed the DNREC URS in a Critical Water Resource Area for Restricted Use, or the EPA RSLs for Residential or Industrial use. Other metals were not detected at concentrations in excess of applicable standards.

VOCs, SVOCs, Pesticides and PCBs were not detected in the shallow or deep soil samples selected for confirmatory analysis at concentrations in excess of regulatory standards.

Chloroform detected in the groundwater sample collected from site monitoring well PPMW-06 at an estimated concentration of 0.9 micrograms per liter (ug/l). The DNREC Groundwater URS for chloroform is 0.1 ug/l. The concentration is below the EPA RSL for Tapwater and the EPA MCL. Chloroform is also a common laboratory artifact. Other VOCs were not detected at concentrations in excess of regulatory standards.

SVOCs were not detected in groundwater samples collected from the Site monitoring wells at concentrations in excess of regulatory standards.

Dieldrin was detected in the groundwater sample collected from monitoring wells PPMW-03, PPMW-05 and the PPMW-01duplicate sample at concentrations exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS. An EPA MCL does not exist for Dieldrin. Heptachlor Epoxide was detected in the groundwater sample collected from monitoring well PPMW-03 at a concentration exceeding its EPA RSL for Tapwater and the DNREC Groundwater URS, but below its EPA MCL. PCBs were not detected in the groundwater samples collected from Site monitoring wells.

Aluminum was detected in the total metals sample collected from monitoring well PPMW-01 and The PPMW-01 duplicate sample at a concentration exceeding its DNREC groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for aluminum. Aluminum was not detected in the dissolved metals sample from the same well or the duplicate. Nickel was detected in the total and dissolved metals sample collected from monitoring well PPMW-06 at a concentration exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater. An EPA MCL does not exist for Nickel. Chromium was detected in the total and dissolved groundwater sample collected from monitoring well PPMW-06 at a concentration in excess of its DNREC Groundwater URS and its EPA MCL. Cyanide was not detected in any of the groundwater samples collected from site monitoring wells.

Barium was detected in six of the private water supply well samples collected in May 2010 and April 2011 at concentrations exceeding its DNREC Groundwater URS, but below its EPA RSL for Tapwater and its EPA MCL. Manganese was detected in 11 of the private water supply well samples collected in May 2010 and April 2011 at concentrations in excess of its DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. Zinc was detected in the sample collected from one private water supply well in May 2010 at a concentration exceeding is DNREC Groundwater URS and its EPA Secondary MCL, but below its EPA RSL for Tapwater. The same supply well was sampled again in April 2011, and although present, the concentration of zinc was below all applicable standards.

Cyanide was detected in one drinking water sample collected in April 2011. Although the concentration was low (0.02 mg/l, or 20 ug/l), it merits mentioning due to the uncommon nature of the detection. Review of the data and chromatograms by the DNREC-SIRS Senior Chemist indicated that the detected concentration was not an artifact of the laboratory analysis, and that the cyanide was present in the sample. The water supply well that the sample was collected from is screened at a depth of 43 to 48 feet below ground surface.

Surface water, sediment and air samples were not collected as part of this SI.

#### 9.2. CONCLUSIONS

The Site has been operational as a metal plating operation since the 1980's. Soil and groundwater data generated through this assessment was evaluated by DNREC-SIRS from an industrial use, residential use and drinking water use standpoint since the site is surrounded by residential properties, and because area residents hydraulically downgradient of the Site utilize groundwater for drinking water purposes.

Iron detected in the soil samples is well within the range of typical Delaware background soil concentrations (3,000 to 22,000 mg/kg) as reported in the HSCA Remediation Standards Guidance. Therefore it is not considered a potential contaminant of concern (COC) by DNREC-SIRS.

Since dieldrin and heptachlor epoxide were detected in groundwater at concentrations exceeding EPA and DNREC screening levels, they should be considered potential COCs in groundwater.

The chromium detected in Site monitoring well PPMW-06 was reported at concentrations around 10 times the DNREC URS and the EPA MCL, and is considered a potential COC in groundwater by DNREC-SIRS.

Nickel is commonly used for plating, and was detected in the groundwater samples from one Site monitoring well. Although the concentrations do not exceed EPA Screening Levels, DNREC-SIRS considers Nickel a potential COC in groundwater.

The iron detected in dissolved groundwater samples from one well (and its duplicate) at the site, although above DNREC URS values, is not considered a COC because iron is commonly detected at slightly elevated concentrations throughout the State.

Manganese was the only metal detected in the drinking water samples (from several wells) collected at a concentration in excess of its MCL or Secondary MCL. Due to the lack of health related effects from manganese, it is not considered a COC in the drinking water.

#### 9.3. RECOMMENDATIONS

DNREC-SIRS recommends additional assessment at the Site in the form of a remedial investigation (RI) to further evaluate the horizontal and vertical extent of chromium detected in the groundwater from monitoring well PPMW-06 at concentrations exceeding EPA MCLs. In addition, the presence of pesticides in monitoring wells PPMW-01, PPMW-03 and PPMS-05 should be evaluated further since concentrations exceed DNREC and EPA screening levels.

It should also be noted that only shallow groundwater was evaluated during this SI. The uncommon detection of cyanide in an offsite drinking water well from a depth of between 43 and 48 feet below ground surface, coupled with the fact that 1) cyanide containing solutions are commonly used in plating operations, and 2) a polyethylene tank was noted on the property with the words "Cyanide Treatment 2" stenciled on the side, raises concern for an undetected release from the Site. The presence of any Site related compound at a depth greater than approximately 20 feet below ground surface was not evaluated as part of the SI. Therefore, DNREC-SIRS recommend further evaluation groundwater below a depth of 20 feet at the site. In addition, it is recommended that additional private waters supply wells be tested and analyzed for the presence of total metals and cyanide, as indicated on Figure 14.

Lastly, information reviewed by DNREC-SIRS in relation to sediment contamination in the Nanticoke River (DNREC, 1997) indicates that the concentrations of metals in sediments is much greater downstream of Seaford/Blades than upstream. Since the Procino Plating facility is located less than 1,500 feet hydraulically upgradient of the river, the potential exists for site related contaminants to enter the river and impact sediments through groundwater discharge. Without additional information related to the groundwater quality at a depth greater than 20 feet below ground surface, Site related impact to the sediment in the Nanticoke River cannot be ruled out.

The recommended Remedial Investigation can be conducted through DNREC-SIRS' Voluntary Cleanup Program (VCP).

JGC:tlw JGC11032.doc DE 0344 II A 3

# **TABLES**

Procino Plating DE-0344

Table 1
Monitoring Well Information and Groundwater Elevations
Procino Plating (DE-0344)
Blades, Delaware

| Monitoring<br>Well ID | Well Permit<br>Number | Construction<br>Date | Well<br>Diameter<br>(inches) | Well<br>Depth<br>(ft) | Screened<br>Interval<br>(ft) | Top of<br>Casing<br>Elevation<br>(ft) | Top of<br>Ground<br>Elevation<br>(ft) | Measured Depth To Water<br>(ft below top of casing)<br>5/26/2011 | Groundwater Elevation (ft) |
|-----------------------|-----------------------|----------------------|------------------------------|-----------------------|------------------------------|---------------------------------------|---------------------------------------|------------------------------------------------------------------|----------------------------|
| PPMW-01               | 235312                | 5/24/2011            | 1                            | 18                    | 8 - 18                       | 100                                   | 100.27                                | 8.58                                                             | 91.42                      |
| PPMW-02               | 235308                | 5/24/2011            | 1                            | 18                    | 8 - 18                       | 99.86                                 | 100.23                                | 8.30                                                             | 91.56                      |
| PPMW-03               | 235307                | 5/24/2011            | 1                            | 18                    | 8 - 18                       | 101.23                                | 101.60                                | 9.50                                                             | 91.73                      |
| PPMW-04               | 235309                | 5/25/2011            | 1                            | 18                    | 8 - 18                       | 103.41                                | 103.60                                | 11.56                                                            | 91.85                      |
| PPMW-05               | 235310                | 5/25/2011            | 1                            | 19                    | 9 - 19                       | 102.87                                | 103.12                                | 11.18                                                            | 91.69                      |
| PPMW-06               | 235311                | 5/25/2011            | 1                            | 18                    | 8 - 18                       | 102.03                                | 102.27                                | 10.43                                                            | 91.60                      |

#### Notes:

Wells constructed using one inch Geoprobe pre-pack well screens and bentonite seals.

Wells were surveyed by DNREC-SIRS with an arbitrary vertical datum of 100 feet at the PPMW-01 top of casing.

Table 2 Summary of Soil Analytical Results - VOCs Procino Plating (DE-0344) Blades, Delaware

| Sample<br>Sample Date<br>Unit                 |                                   |                                  |                                               |                              | PPMW-03 D<br>5/24/2011<br>mg/kg | PPMW-06 D<br>5/25/2011<br>mg/kg |         |         |         |
|-----------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------------------|------------------------------|---------------------------------|---------------------------------|---------|---------|---------|
| Cooperation of the                            | EPA RSL<br>Residential<br>(mg/kg) | EPA RSL<br>Industrial<br>(mg/kg) | DNREC URS CRWA<br>Unrestricted Use<br>(mn/km) | DNREC URS<br>CRWA Restricted |                                 | 7/,                             |         | 7,3     |         |
|                                               | Vo                                | olatile Organic C                | ompounds by Metho                             | d SW8260                     |                                 |                                 |         |         |         |
| 1,1,1-TRICHLOROETHANE                         | 8700                              | 38000                            | 20                                            | 20                           | ND                              | ND                              | ND      | ND      | ND_     |
| 1,1,2,2-TETRACHLOROETHANE                     | 0.56                              | 2.8                              | 0.2                                           | 0.2                          | ND ND                           | ND                              | ND      | ND      | ND      |
| 1.1.2-TRICHLORO-1.2.2-TRIFLUOROETHANE         | 43000                             | 180000                           | 640                                           | 640                          | ND ND                           | l ND                            | ND      | ND      | ND      |
| 1,1,2-TRICHLOROETHANE                         | 1.1                               | 5.3                              | 0.5                                           | 0.5                          | ND                              | ND                              | ND      | ND      | ND      |
| 1,1-DICHLOROETHANE                            | 3.3                               | 17                               | 88                                            | 8                            | ND                              | ND                              | ND      | ND      | ND_     |
| 1,1-DICHLOROETHENE                            | 240                               | 1100                             | 0.07                                          | 0.7                          | ND .                            | ND                              | ND .    | ND      | ND      |
| 1,2,4-TRICHLOROBENZENE                        | 22                                | 99                               | 28                                            | 28                           | ND                              | ND                              | ND      | ND      | ND      |
| 1,2-DIBROMO-3-CHLOROPROPANE                   | 0.0054                            | 0.069                            | 0.02                                          | 0.02                         | ND                              | ND                              | ND      | ND      | ND      |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)        | 0.034                             | 0.17                             | 0.008                                         | 0.01                         | ND ND                           | l ND                            | ND      | ND      | ND      |
| 1.2-DICHLOROBENZENE                           | 1900                              | 9800                             | 60                                            | 60                           | ND                              | l ND                            | l ND    | I ND    | ND_     |
| 1,2-DICHLOROETHANE                            | 0.43                              | 2.2                              | 0.4                                           | 0.5                          | ND                              | ND ND                           | ND      | ND :    | l ND    |
| 1.2-DICHLOROPROPANE                           | 0.94                              | 4.7                              | 0.5                                           | 0.5                          | ND                              | ND                              | ND      | ND      | ND      |
| 1,3-DICHLOROBENZENE                           | NCA                               | I NCA                            | 61                                            | 61                           | ∥ ND                            | l ND                            | ND      | ND      | ND      |
| 1,4-DICHLOROBENZENE                           | 2.4                               | 12                               | 10                                            | 10                           | ∥ ND                            | ND                              | ND      | ND      | ND_     |
| 2-HEXANONE                                    | 210                               | 1400                             | 15                                            | 15                           | ∥ ND                            | ND                              | ND      | ND      | ND      |
| ACETONE                                       | 61000                             | 630000                           | 6                                             | 6                            | ∥ ND                            | ND                              | ND      | ND      | ND ND   |
| BENZENE                                       | 1.1                               | 5.4                              | 0.5                                           | 0.5                          | ND                              | ND                              | ND      | ND      | ND      |
| BROMODICHLOROMETHANE                          | 0.27                              | 1.4                              | 10                                            | 10                           | ∥ ND                            | ND                              | ND      | ND      | ND      |
| BROMOFORM                                     | 62                                | 220                              | 10                                            | 10                           | ND                              | ND                              | ND      | ND .    | ND      |
| BROMOMETHANE                                  | 7.3                               | 32                               | 1                                             | l 1                          | ∥ ND                            | ND                              | ND      | l ND    | ND      |
| CARBON DIŞULFIDE                              | 820                               | 3700                             | 10                                            | 10                           | ND                              | ND .                            | ND      | ND :    | ND.     |
| CARBON TETRACHLORIDE                          | 0.61                              | 3                                | 0.3                                           | 0.5                          | ND ND                           | ND                              | ND      | ND      | ND      |
| CHLOROBENZENE                                 | 290                               | 1400                             | 10                                            | 10                           | ∥ ND                            | ND .                            | l ND    | ND      | l ND    |
| CHLOROETHANE                                  | 15000                             | 61000                            | 0.4                                           | 0.4                          | ND                              | ND                              | ND      | ND      | ND      |
| CHLOROFORM                                    | 0.29                              | 1.5                              | 0.3                                           | 10                           | ND ND                           | ND                              | ND      | ND      | ND      |
| CHLOROMETHANE                                 | 120                               | 500                              | 0.3                                           | 0.3                          | ND                              | ND                              | ND      | ND      | I ND    |
| CIS-1,2-DICHLOROETHENE                        | 160                               | 2000                             | 0.6                                           | 0.6                          | ∥ ND                            | ND ND                           | ND      | ND :    | ND      |
| CIS-1,3-DICHLOROPROPENE                       | NCA                               | NCA                              | 0.00B                                         | 0.008                        | ND ND                           | ND                              | ND      | l ND    | ND      |
| CYCLOHEXANE                                   | 7000                              | 29000                            | 1000                                          | 1800                         | ND ND                           | ND                              | ND      | ND .    | 0.016 J |
| DIBROMOCHLOROMETHANE                          | 0.68                              | 3.3                              | 0.01                                          | 0.01                         | ND ND                           | ND                              | ND      | l ND    | l ND    |
| DICHLORODIFLUOROMETHANE                       | 94                                | 400                              | 100                                           | 100                          | ∥ ND                            | ND                              | ND      | l ND    | ND      |
| ETHYLBENZENE                                  | 5.4                               | 27                               | 70                                            | 70                           | ∥ ND                            | ND                              | ND      | ND      | ND      |
| ISOPROPYLBENZENE (CUMENE)                     | 2100                              | 11000                            | 110                                           | 110                          | ∥ ND                            | ND                              | ND      | ND      | ND      |
| M,P-XYLENE (SUM OF ISOMERS)                   | NCA                               | NCA                              | 420                                           | 420                          | ∥ ND                            | ND                              | ND ND   | ND      | l ND    |
| METHYL ACETATE                                | 78000                             | 1000000                          | 61                                            | 61                           | I ND                            | ND                              | ND      | ND ND   | l ND    |
| METHYL ETHYL KETONE (2-BUTANONE)              | 28000                             | 200000                           | 19                                            | 19                           | ■ ND                            | ND                              | ND      | ND      | ND      |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE) | 5300                              | 53000                            | 1                                             | 1                            | ND ND                           | ND                              | ND      | ND      | ND      |
| METHYL TERT-BUTYL ETHER (MTBE)                | 43                                | 220                              | 2                                             | 2                            | ∥ ND                            | ND                              | ND      | ND      | ND      |
| METHYLCYCLOHEXANE                             | NCA                               | NCA NCA                          | l NCA                                         | ) NCA                        | ∥ ND                            | ND                              | 0.036 ) | l ND    | 0.05 1_ |
| METHYLENE CHLORIDE                            | 11                                | 53                               | 0.5                                           | 0.5                          | ND                              | ND                              | 0.023 ] | 0.023 J | 0.021 J |
| O-XYLENE (1,2-DIMETHYLBENZENE)                | 690                               | 3000                             | 410                                           | 410                          | . ND                            | ND                              | ND      | ND      | ND_     |
| STYRENE                                       | 6300                              | 36000                            | 24                                            | 24                           | ∥ ND                            | ND                              | ND      | ND      | ND_     |
| TETRACHLOROETHENE                             | 0.55                              | 2.6                              | 0.5                                           | 0.5                          | ∥ ND                            | ND                              | ND ND   | ND      | ND ND   |
| TOLUENE                                       | 5000                              | 45000                            | 100                                           | 100                          | ∦ ND                            | ND                              | ND      | ND      | ND      |
| TRANS-1, Z-DICHLOROETHENE                     | 150                               | 690                              | 10                                            | 10                           | ND ND                           | ND                              | l ND    | ND      | ND      |
| TRANS-1_3-DICHLOROPROPENE                     | NCA                               | NCA NCA                          | 0.008                                         | 0.008                        | ∥ ND                            | ND ND                           | l ND    | . ND    | ND      |
| TRICHLOROETHENE                               | 2.8                               | 14                               | 0.5                                           | 0.5                          | ∥ ND                            | ND                              | ND      | ND      | ND      |
| TRICHLOROFLUOROMETHANE                        | 790                               | 3400                             | 200                                           | 200                          | ∥ ND                            | ND                              | ND      | ND      | ND      |
| VINYL CHLORIDE                                | 0.06                              | 1.7                              | 0.03                                          | 0.2                          | ∥ ND                            | ND                              | ND      | ND      | ND_     |
| XYLENES, TOTAL                                | 630                               | 2700                             | 420                                           | 420                          | ∥ ND                            | ND                              | ND      | l ND    | I ND    |

Notes: mg/kg - milligrams per kilogram NCA - No Criteria Available ND - Not Detected

J - Estimated Concentration
DNREC URS CWRA - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health in a Critical Water Resource Area

# Table 3 Summary of Soil Analytical Results - SVOCs Procino Plating (DE-0344) Blades, Delaware

| Sample<br>Sample Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                  |                                               |                                             | PPMW-03 D<br>5/24/2011 | PPMW-06 D<br>5/25/2011 |          |          | PPS8-05 S |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------------------|---------------------------------------------|------------------------|------------------------|----------|----------|-----------|
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                  |                                               |                                             | mq/kg                  | mq/kg                  | mq/kg    | mg/kg    | mg/kg     |
| Chemical Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EPA RSL<br>Residential<br>(mg/kg) | EPA RSL<br>Industrial<br>(mg/kg) | DNREC URS CRWA<br>Unrestricted Use<br>(mg/kg) | DNREC URS<br>CRWA Restricted<br>Use (mg/kg) |                        |                        |          |          |           |
| A OFFICE AND A STATE OF THE STA |                                   |                                  | Compounds by Met                              |                                             | luo.                   | lue                    | Luc.     | Jug      | Luc       |
| 1,1-BIPHENYL<br>1,2,4-TRICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 51<br>22                          | 210<br>99                        | 3<br>28                                       | 28                                          | ND<br>ND               | ND<br>ND               | ND<br>ND | ND<br>ND | ND<br>ND  |
| 1,2-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1900                              | 9800                             | 60                                            | 60                                          | ND                     | ND                     | ND       | ND       | ND        |
| 1,3-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA                               | NCA                              | 61                                            | 61                                          | ND                     | ND                     | ND       | ND       | ND        |
| 1,4-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.4                               | 12                               | 10                                            | 10                                          | ND                     | ND                     | ND       | ND       | ND        |
| 2,4,5-TRICHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6100                              | 62000                            | 220                                           | 220                                         | ND                     | ND                     | ND       | ND       | ND        |
| 2,4,6-TRICHLOROPHENOL<br>2,4-DICHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 180                               | 160<br>1800                      | 2                                             | 2                                           | ND<br>ND               | ND<br>ND               | ND<br>ND | ND<br>ND | ND<br>ND  |
| 2,4-DIMETHYLPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1200                              | 12000                            | 7                                             | 7                                           | ND                     | ND                     | ND       | ND       | ND        |
| 2,4-DINITROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 120                               | 1200                             | 0.7                                           | 0.7                                         | ND                     | ND                     | ND       | ND       | ND        |
| 2,4-DINITROTOLUENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.6                               | 5.5                              | 0.7                                           | 0.7                                         | ND                     | ND                     |          | ND       | ND        |
| 2,6-DINITROTOLUENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 61                                | 620                              | 0.4                                           | 0.4                                         | ND                     | ND                     |          | ND       | ND        |
| 2-CHLORONAPHTHALENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6300                              | 82000                            | 620                                           | 620                                         | ND                     | ND                     |          | ND<br>ND | ND        |
| 2-CHLOROPHENOL 2-METHYLNAPHTHALENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 390<br>310                        | 5100<br>4100                     | 1                                             | 4<br>I                                      | ND<br>ND               | ND<br>ND               | ND<br>ND | ND       | ND<br>ND  |
| 2-METHYLPHENOL (O-CRESOL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3100                              | 31000                            | 18                                            | 18                                          | ND                     | ND                     | ND       | ND       | ND        |
| 2-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 610                               | 6000                             | 0.02                                          | 0.02                                        |                        | ND                     |          | ND       | ND        |
| 2-NITROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NCA                               | NCA                              | NCA                                           | NCA                                         |                        | ND                     | ND       | ND       | ND        |
| 3,3'-DICHLOROBENZIDINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.1                               | 3.8                              | 1                                             | 6                                           |                        | ND                     | ND       | ND       | ND        |
| 3-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NCA                               | NCA 10                           | NCA<br>0.04                                   | NCA<br>0.04                                 | ND                     | ND                     | ND       | ND       | ND        |
| 4,6-DINITRO-2-METHYLPHENOL<br>4-BROMOPHENYL PHENYL ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.9<br>NCA                        | 49<br>NCA                        | 0.04<br>NCA                                   | 0.04<br>NCA                                 | ND<br>ND               | ND<br>ND               | ND<br>ND | ND<br>ND | ND<br>ND  |
| 4-CHLORO-3-METHYLPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6100                              | 62000                            | NCA<br>NCA                                    | NCA<br>NCA                                  | ND<br>ND               | ND                     | ND       | ND       | ND        |
| 4-CHLOROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.4                               | 8.6                              | 2                                             | 2                                           | ND                     | ND                     |          | ND       | ND        |
| 4-CHLOROPHENYL PHENYL ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA                               | NCA                              | NCA                                           | NCA                                         | IND                    | ND                     | ND       | ND       | ND        |
| 4-METHYLPHENOL (P-CRESOL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 310                               | 3100                             | 2                                             | 2                                           | ND                     | ND                     |          | ND       | ND        |
| 4-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 24                                | 86                               | NCA                                           | NCA                                         |                        | ND                     |          | ND       | ND        |
| 4-NITROPHENOL<br>ACENAPHTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NCA<br>2400                       | NCA                              | 6<br>270                                      | 6                                           |                        | ND                     |          | ND<br>ND | ND<br>ND  |
| ACENAPHTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3400<br>NCA                       | 33000<br>NCA                     | NCA                                           | 270<br>NCA                                  |                        |                        |          | ND       | ND        |
| ACETOPHENONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7800                              | 100000                           | 0.0004                                        | 0.0004                                      |                        |                        |          | ND       | ND        |
| ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 17000                             | 170000                           | 1000                                          |                                             |                        |                        |          | ND       | ND        |
| ATRAZINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.1                               | 7.5                              | 0.3                                           | 0.3                                         |                        |                        |          | ND       | ND        |
| BENZALDEHYDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7800                              | 100000                           | 37                                            |                                             |                        |                        |          | ND       | ND        |
| BENZO(A)ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.15                              | 0.21                             | 0.9                                           | 8                                           |                        | 7.7.                   |          | ND<br>ND | ND<br>ND  |
| BENZO(A)PYRENE BENZO(B)FLUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.015                             | 2.1                              | 0.09                                          | 0.8<br>8                                    |                        |                        |          | ND       | ND        |
| BENZO(G,H,I)PERYLENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NCA                               | NCA                              | NCA                                           |                                             |                        |                        |          | ND       | ND I      |
| BENZO(K)FLUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.5                               | 21                               | 9                                             | 78                                          |                        |                        |          | ND       | ND        |
| BIS(2-CHLOROETHOXY) METHANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 180                               | 1800                             | NCA                                           |                                             |                        |                        |          | ND       | ND        |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.21                              | 1                                | 0.0001                                        | 0.0001                                      |                        |                        |          | ND       | ND        |
| BIS(2-CHLOROISOPROPYL) ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.6                               | 22                               | 9                                             |                                             |                        |                        | ND<br>ND | ND<br>ND | ND<br>ND  |
| BIS(2-ETHYLHEXYL) PHTHALATE BUTYL BENZYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 35<br>260                         | 910                              | 46<br>930                                     | 130<br>5000                                 |                        |                        | ND       | ND       | ND        |
| CAPROLACTAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 31000                             | 310000                           | 180                                           | 180                                         |                        |                        | ND       | ND       | ND        |
| CARBAZOLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NCA                               | NCA                              | 0.3                                           | 0.3                                         |                        |                        |          | ND       | ND        |
| CHRYSENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15                                | 210                              | 87                                            | 780                                         |                        |                        |          | ND       | ND        |
| DIBENZ(A,H)ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.015                             | 0.21                             | 0.09                                          |                                             |                        |                        |          | ND<br>ND | ND<br>ND  |
| DIBENZOFURAN DIETHYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 78<br>49000                       | 1000<br>490000                   | 0.2<br>500                                    | 500                                         | -                      |                        |          | ND<br>ND | ND<br>ND  |
| DIMETHYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCA                               | NCA                              | NCA I                                         |                                             |                        |                        | ND .     | ND       | ND        |
| DI-N-BUTYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6100                              | 62000                            | NCA                                           | NCA                                         |                        |                        |          | ND       | ND        |
| DI-N-OCTYLPHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA                               | NCA                              | 7                                             |                                             |                        |                        |          |          | ND        |
| FLUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2300                              | 22000                            | 310                                           |                                             |                        |                        |          |          | ND        |
| FLUORENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2300                              | 22000                            | 300                                           |                                             |                        |                        |          |          | ND<br>ND  |
| HEXACHLOROBENZENE<br>HEXACHLOROBUTADIENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.2                               | 22                               | 0.4<br>I                                      |                                             |                        |                        |          |          | ND        |
| HEXACHLOROCYCLOPENTADIENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 370                               | 3700                             | 10                                            |                                             |                        |                        |          |          | ND        |
| HEXACHLOROETHANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 35                                | 120                              | 0.6                                           |                                             |                        |                        |          |          | ND        |
| NDENO(1,2,3-C,D)PYRENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.15                              | 2.1                              | 0.9                                           | 8                                           | ND                     | ND                     | ND       | ND       | ND        |
| SOPHORONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 510                               | 1800                             | 10                                            |                                             |                        |                        |          |          | ND        |
| VAPHTHALENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.6                               | 18                               | 5                                             |                                             |                        |                        |          | ND       | ND        |
| NITROBENZENE<br>N-NITROSODI-N-PROPYLAMINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.069                             | 0.25                             | 0.04                                          |                                             |                        |                        |          |          | ND<br>ND  |
| N-NITROSODI-N-PROPYLAMINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99                                | 350                              | 2                                             |                                             |                        |                        |          |          | ND        |
| PENTACHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.89                              | 2.7                              | 5                                             |                                             |                        |                        |          |          | ND        |
| PHENANTHRENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA I                             | NCA                              | 1000                                          |                                             |                        | ND                     | ND ]     | ND       | ND        |
| PHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 18000                             | 180000                           | 400                                           |                                             |                        |                        |          |          | ND        |
| YRENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1700                              | 17000                            | 230                                           | 1700                                        | ND                     | ND                     | ND       | ND       | ND        |

Notes:
mg/kg - milligrams per kilogram
NCA - No Criteria Available
ND - Not Detected
DNREC URS CWRA - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health in a Critical Water Resource Area

Table 4
Summary of Soil Analytical Results - Pesticides & PCBs
Procino Plating (DE-0344)
Blades, Delaware

| Sample                                  |              |             |                        | <del></del>    | PPMW-03 D | PPMW-06 D | PPSB-01 S | PPSB-04 D | PPSB-05 S       |
|-----------------------------------------|--------------|-------------|------------------------|----------------|-----------|-----------|-----------|-----------|-----------------|
| Sample Date                             |              |             |                        |                | 5/24/2011 | 5/25/2011 |           |           |                 |
| Unit                                    |              |             |                        |                | mg/kg     | mg/kg     | mg/kg     | mg/kg     | mg/kg           |
|                                         | EPA RSL      | EPA RSL     | DNREC URS CRWA         | DNREC URS CRWA |           |           |           |           |                 |
| Chemical Name                           | Residential  | Industrial  | Unrestricted Use       | Restricted Use |           |           |           |           |                 |
| Chemical Name                           | (mg/kg)      | (mg/kg)     | (mg/kg)                | (mg/kg)        |           |           | 1         |           |                 |
|                                         | (mg/kg)      |             | sticides by Method SW  |                |           |           |           |           | 23 (- 3) (6 (3) |
| ALDDYN                                  | 0.020        |             |                        |                | II ND     | AID.      | L ND      | l ND      | ND              |
| ALDRIN                                  | 0.029        | 0.1         | 0.0004                 | 0.0004         | ND        | ND        | ND        | ND        | 112             |
| ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE) | 0.077        | 0.27        | 0.001                  | 0.001          | ND        | ND        | ND        | ND        | ND              |
| ALPHA ENDOSULFAN                        | NCA          | NCA         | NCA                    | NCA            | ND        | ND        | ND        | ND        | 0.027           |
| ALPHA-CHLORDANE                         | NCA          | NCA         | NCA                    | NCA            | ND        | ND        | ND        | ND        | 0.033 P         |
| BETA BHC (BETA HEXACHLOROCYCLOHEXANE)   | 0.27         | 0.96        | 0.004                  | 0.004          | ND        | ND        | ND        | ND        | ND              |
| BETA ENDOSULFAN                         | NCA          | NCA         | NCA                    | NCA            | ND        | ND        | ND        | ND        | ND              |
| DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE) | NCA          | NCA         | 0.004                  | 0.004          | ND .      | ND        | ND        | ND        | ND              |
| DIELDRIN                                | 0.03         | 0.11        | 0.04                   | 0.1            | ND        | ND        | ND        | ND        | ND              |
| ENDOSULFAN SULFATE                      | NCA          | NCA         | NCA                    | NCA            | ND        | ND        | ND        | ND        | ND              |
| ENDRIN                                  | 18           | 180         | 2                      | 6              | ND ND     | ND        | ND        | ND        | ND              |
| ENDRIN ALDEHYDE                         | NCA          | NCA         | NCA                    | NCA            | ND ND     | ND        | ND        | ND        | ND              |
| ENDRIN KETONE                           | NCA          | NCA         | NCA                    | NCA            | ND        | ND        | ND        | ND        | ND              |
| GAMMA BHC (LINDANE)                     | 0.52         | 2.1         | 0.07                   | 0.07           | ND ND     | ND        | ND        | ND        | ND              |
| GAMMA-CHLORDANE                         | 1.6          | 6.5         | 2                      | 16             | ND ND     | ND .      | ND        | ND        | 0.018           |
| HEPTACHLOR                              | 0.11         | 0.38        | 0.1                    | 0.7            | ND        | ND        | ND        | ND        | ND              |
| HEPTACHLOR EPOXIDE                      | 0.053        | 0.19        | 0.07                   | 0.6            | ND        | ND        | ND        | ND        | 0.028           |
| METHOXYCHLOR                            | 310          | 3100        | 39                     | 630            | ND ND     | ND        | ND        | ND        | ND              |
| P,P'-DDD                                | 2            | 7.2         | 3                      | 3              | ND ND     | ND        | ND        | ND        | ND              |
| P,P'-DDE                                | 1.4          | 5.1         | 2                      | 4              | ND ND     | ND        | ND        | ND        | 0.011           |
| P,P'-DDT                                | 1.7          | 7           | 2                      | 12             | ND ND     | ND        | ND        | ND        | ND              |
| TOXAPHENE                               | 0.44         | 1.6         | 0.6                    | 1              | ND ND     | ND        | ND        | ND        | ND              |
|                                         | C. E. De. SE | Polychloria | nated Biphenyls by Met | hod SW8082     |           |           |           |           |                 |
| AROCLOR 1016                            | 3.9          | 21          | 5                      | 18             | ND        | ND        | ND        | ND        | ND              |
| AROCLOR 1221                            | 0.14         | 0.54        | 0.3                    | 0.5            | ND ND     | ND        | ND        | ND        | ND              |
| AROCLOR 1232                            | 0.14         | 0.54        | 0.3                    | 0.5            | ND        | ND        | ND        | ND        | ND              |
| AROCLOR 1242                            | 0.22         | 0.74        | 0.3                    | 3              | ND        | ND        | ND        | ND        | ND              |
| AROCLOR 1248                            | 0.22         | 0.74        | 0.3                    | 3              | ND        | ND        | ND        | ND        | ND              |
| AROCLOR 1254                            | 0.22         | 0.74        | 0.3                    | 3              | ND        | ND        | ND ND     | ND        | ND              |
| AROCLOR 1260                            | 0.22         | 0.74        | 0.3                    | 3              | ND        | ND        | ND.       | ND        | ND              |
| Notes                                   | - 5.22       |             |                        |                |           | .,,,      |           |           | 110             |

#### Notes:

mg/kg - milligrams per kilogram

NCA - No Criteria Available

ND - Not Detected

P - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported by the laboratory. DNREC URS CWRA - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health in a Critical Water Resource Area

Table 5 Summary of Soil Analytical Results - Metals Procino Plating (DE-0344) Blades, Delaware

| Sample<br>Sample Date<br>Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                                  |                                               |                                             | PPMW-03 D<br>5/24/2011<br>mg/kg | PPMW-06 D<br>5/25/2011<br>mg/kg | PPSB-01 S<br>5/24/2011<br>mg/kg | PPSB-04 D<br>5/26/2011<br>mg/kg | PPSB-05 S<br>5/25/2011<br>mg/kg |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------|-----------------------------------------------|---------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Clemica ame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EPAR<br>LRes dential | EPA RSL<br>Industrial<br>(mg/kg) | DNREC URS CWRA<br>Unrestricted Use<br>(mg/kg) | DNREC URS CWRA<br>Restricted Use<br>(mg/kg) | тіч ка                          | Парку                           | піч, ку                         | mg/kg                           | mg/kg                           |
| THE PARTY OF THE P |                      |                                  | Met                                           | als by Method C200.7                        |                                 |                                 |                                 |                                 |                                 |
| ALUMINUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 77000                | 990000                           | 7800                                          | 200000                                      | 4070                            | 2750                            | 5050                            | 6110                            | 2480                            |
| ANTIMONY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 31                   | 410                              | 3                                             | 27                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| ARSENIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.39                 | 1.6                              | 11*                                           | 11*                                         | ND                              | ND                              | ND                              | ND                              | ND                              |
| BARIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15000                | 190000                           | 550                                           | 14000                                       | ND                              | ND                              | ND                              | ND                              | ND                              |
| BERYLLIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 160                  | 2000                             | 16                                            | 410                                         | ND                              | ND                              | ND                              | ND                              | ND                              |
| CADMIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 70                   | 800                              | 4                                             | 38                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| CALCIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCA                  | NCA                              | NCA                                           | NCA                                         | 291                             | ND                              | 2590                            | 438                             | 609                             |
| CHROMIUM, TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA                  | NCA                              | 12000                                         | 310000                                      | 3.1                             | 14.1                            | 2.8                             | 5.1                             | 2.6                             |
| COBALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23                   | 300                              | 22                                            | 22                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| COPPER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3100                 | 41000                            | 310                                           | 8200                                        | ND                              | 2.2                             | 1.5                             | 1.4                             | 8.7                             |
| IRON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 55000                | 720000                           | 2300                                          | 61000                                       | 2630                            | 2010                            | 3030                            | 4410                            | 1880                            |
| LEAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 400                  | 800                              | 400                                           | 1000                                        | 1.8                             | 1.8                             | 5.8                             | 2.9                             | 10.0                            |
| MAGNESIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NCA                  | NCA                              | NCA                                           | NCA                                         | ND                              | ND                              | 273                             | 328                             | ND                              |
| MANGANESE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1800                 | 23000                            | 160                                           | 4100                                        | 14.4                            | 13.8                            | 22.0                            | 22.0                            | 39.9                            |
| NICKEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1500                 | 20000                            | 160                                           | 650                                         | ND                              | ND                              | ND                              | ND                              | ND                              |
| POTASSIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NCA                  | NCA                              | NCA                                           | NCA                                         | ND                              | ND                              | ND                              | 243                             | ND                              |
| SELENIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 390                  | 5100                             | 26                                            | 26                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| SILVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 390                  | 5100                             | 39                                            | 84                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| SODIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA                  | NCA                              | NCA                                           | NCA                                         | ND                              | ND                              | ND                              | ND                              | ND                              |
| THALLIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.78                 | 10                               | 14                                            | 14                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| VANADIUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA                  | NCA                              | 55                                            | 1400                                        | ND                              | ND                              | ND                              | ND                              | ND                              |
| ZINC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 23000                | 310000                           | 2300                                          | 2300                                        | 4.5                             | 3.7                             | 7.1                             | 6.6                             | 14.6                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SEMENT :             |                                  | Merc                                          | cury by Method C245.                        | 5                               |                                 |                                 |                                 |                                 |
| MERCURY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10                   | 43                               | 10                                            | 10                                          | ND                              | ND                              | ND                              | ND                              | ND                              |
| TEST BUTTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CHANGE WAS IN        |                                  | Cyana                                         | ide by Method SW90:                         | 2A                              | ELECTION .                      |                                 |                                 |                                 |
| CYANIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1600                 | 20000                            | 160                                           | 200                                         | ND                              | ND                              | ND                              | ND                              | ND                              |

Notes:

mg/kg - milligrams per kilogram

\* Delaware Background Concentration

NCA - No Criteria Available

ND - Not Detected

DNREC URS CWRA - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health in a Critical Water Resource Area Shaded - Concentration exceeds DNREC URS CWRA for Unrestricted Use

# Table 6 Summary of Groundwater Analytical Results - VOCs Procino Plating (DE-0344) Blades, Delaware

| Location                                      |            |               |                | PPMW-01    |           | PPMW-02   | PPMW-03   | PPMW-04   | PPMW-05   | PPMW-06   |
|-----------------------------------------------|------------|---------------|----------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Sample                                        |            |               |                | DUP1       | PPMW01    | PPMW02    | PPMW03    | PPMW04    | PPMW05    | PPMW06    |
| Sample Date                                   |            |               |                | 6/16/2011  | 6/16/2011 | 6/16/2011 | 6/16/2011 | 6/16/2011 | 6/17/2011 | 1 ' '     |
| Unit                                          |            |               |                | ug/i       | ug/l      | ug/l      | ug/l      | ug/l      | ug/l      | ug/l      |
| 15 (是4)更多的特别的特别的                              | FRANCI     | EPA RSL       | DNREC URS      |            | in.       |           |           |           |           |           |
| Chemical                                      | EPA MCL    | Tapwater      | Groundwater    |            |           |           |           |           |           |           |
| <b>现的外的人的人员会会会会会</b>                          | (ug/l)     | (ug/l)        | (ug/l)         |            |           |           |           |           |           |           |
|                                               | Vol        | atile Organic | Compounds by I | Method SW8 | 3260      | ALEXAGE   | ENGLES WA |           |           | 14.63.612 |
| 1,1,1-TRICHLOROETHANE                         | 200        | 9100          | 200            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,1,2,2-TETRACHLOROETHANE                     | NCA        | 0.067         | 0.05           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE         | NCA        | 59000         | 5900           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,1,2-TRICHLOROETHANE                         | 5          | 0.24          | 0.2            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,1-DICHLOROETHANE                            | NCA        | 2.4           | 81             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,1-DICHLOROETHENE                            | 7          | 340           | 0.04           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2,4-TRICHLOROBENZENE                        | 70         | 2.3           | 70             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2-DIBROMO-3-CHLOROPROPANE                   | 0.2        | 0.00032       | 0.05           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)        | 0.05       | 0.0065        | 0.001          | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2-DICHLOROBENZENE                           | 600        | 370           | 64             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2-DICHLOROETHANE                            | 5          | 0.15          | 0.1            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,2-DICHLOROPROPANE                           | . 5        | 0.39          | 0.2            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,3-DICHLOROBENZENE                           | NCA        | NCA           | 0.5            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| 1,4-DICHLOROBENZENE                           | 75         | 0.43          | 0.4            | ND         | ND        | ND        | ND        | ND ND     | ND        | ND        |
| 2-HEXANONE                                    | NCA        | 47            | 150            | ND         | ND        | ND        | ND        | ND        | ND .      | ND        |
| ACETONE                                       | NCA        | 22000         | 61             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| BENZENE                                       | 5          | 0.41          | 0.4            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| BROMODICHLOROMETHANE                          | NCA        | 0.12          | 0.2            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| BROMOFORM                                     | NCA        | 8.5           | 8              | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| BROMOMETHANE                                  | NCA        | 8.7           | 9              | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| CARBON DISULFIDE CARBON TETRACHLORIDE         | NCA<br>5   | 1000<br>0.44  | 100            | ND         | ND ND     | ND<br>ND  | ND<br>ND  | ND<br>ND  | ND<br>ND  | ND<br>ND  |
| CHLOROBENZENE                                 |            |               | 11             | ND<br>ND   | ND I      | ND ND     | ND I      | ND ND     | ND ND     | ND<br>ND  |
| CHLOROBENZENE                                 | 100        | 91<br>21000   | 4              | ND         | ND I      | ND ND     | ND ND     | ND ND     | ND        | ND        |
| CHLOROFORM                                    | NCA<br>NCA | 0.19          | 0.1            | ND ND      | ND ND     | ND        | ND ND     | ND ND     | ND        | 0.9.3     |
| CHLOROMETHANE                                 | NCA        | 190           | 2              | ND         | ND ND     | ND        | ND ND     | ND        | ND        | ND        |
| CIS-1,2-DICHLOROETHENE                        | 70         | 73            | 61             | ND         | ND ND     | ND ND     | ND        | ND I      | ND        | ND        |
| CIS-1,3-DICHLOROPROPENE                       | NCA        | NCA           | 0.08           | ND         | ND ND     | ND .      | ND        | ND        | ND I      | ND        |
| CYCLOHEXANE                                   | NCA        | 13000         | 18000          | ND         | ND        | ND        | ND I      | ND        | ND        | ND        |
| DIBROMOCHLOROMETHANE                          | NCA        | 0.15          | 0.1            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| DICHLORODIFLUOROMETHANE                       | NCA        | 200           | 350            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| ETHYLBENZENE                                  | 700        | 1.5           | 700            | ND         | ND        | ND        | ND        | ND        | 0.4 J     | ND        |
| ISOPROPYLBENZENE (CUMENE)                     | NCA        | 680           | 66             | ND         | ND        | ND        | ND        | 0.4 J     | ND        | ND        |
| M,P-XYLENE (SUM OF ISOMERS)                   | NCA        | NCA           | 1200           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| METHYL ACETATE                                | NCA        | 37000         | 610            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| METHYL ETHYL KETONE (2-BUTANONE)              | NCA        | 7100          | 190            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE) | NCA        | 2000          | 14             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| Methyl tert-Butyl Ether (MTBE)                | NCA        | 12            | 20             | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| METHYLCYCLOHEXANE                             | NCA        | NCA           | NCA            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| METHYLENE CHLORIDE                            | 5          | 4.8           | 4              | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| O-XYLENE (1,2-DIMETHYLBENZENE)                | NCA        | 200           | 1200           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| STYRENE                                       | 100        | 1600          | 100            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| TETRACHLOROETHENE                             | 5          | 0.11          | 1              | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| TOLUENE                                       | 1000       | 2300          | 750            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| TRANS-1,2-DICHLOROETHENE                      | 100        | 110           | 100            | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| TRANS-1,3-DICHLOROPROPENE                     | NCA        | NCA           | 0.08           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| FRICHLOROETHENE                               | 5          | 2             | 2              | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| TRICHLOROFLUOROMETHANE                        | NCA        | 1300          | 1300           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| /INYL CHLORIDE                                | 2          | 0.016         | 0.02           | ND         | ND        | ND        | ND        | ND        | ND        | ND        |
| (YLENES, TOTAL                                | 10000      | 200           | 1200           | ND         | ND        | ND        | ND        | ND        | ND I      | ND        |

Notes:

ug/l - micrograms per liter

NCA - No Criteria Available

ND - Not Detected

J - Estimated Concentration

DNREC URS Groundwater - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health

Shaded - Concentrations exceeds DNREC Groundwater URS

<u>Underline</u> - Concentrations exceeds EPA Regional Screening Level for Tapwater

# Table 7 Summary of Groundwater Analytical Results - SVOCs Procino Plating (DE-0344) Blades, Delaware

| Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -77         | -                     |                |                   | IW-01               | PPMW-02             |                     | PPMW-04             |                     |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|----------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
| Sample<br>Sample Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                       |                | DUP1<br>6/16/2011 | PPMW01<br>6/16/2011 | PPMW02<br>6/16/2011 | PPMW03<br>6/16/2011 | PPMW04<br>6/16/2011 | PPMW05<br>6/17/2011 | PPMW06<br>6/17/201 |
| Sample Date<br>Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |                       |                | ug/l              | ug/l                | ug/l                | ug/l                | ug/l                | ug/l                | ug/1               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | portable to | ି ଫୁ (କୌ              | MORE COME      |                   |                     |                     |                     |                     |                     |                    |
| Some -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                       | (नेक्साकरहाँद  |                   |                     |                     |                     |                     |                     |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>    | (10)-(1)              | 1 (29)         | <u> </u>          |                     |                     |                     |                     |                     |                    |
| A A CORPUSANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                       | c Compounds by |                   |                     | AID                 | AID.                | AID.                | l ND                | ND                 |
| 1,1-BIPHENYL 1,2,4-TRICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 70          | 0.83<br>2.3           | 70             | ND<br>ND          | ND<br>ND            | ND ND               | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 1,2-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 600         | 370                   | 64             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 1,3-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA         | NCA                   | 0.5            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 1,4-DICHLOROBENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 75          | 0.43                  | 0.4            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2,4,5-TRICHLOROPHENOL 2.4,6-TRICHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA<br>NCA  | 3700<br>6.1           | 370            | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 2,4-DICHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCA         | 110                   | 20             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2,4-DIMETHYLPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCA         | 730                   | 73             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2,4-DINITROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NCA         | 73                    | 7              | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2,4-DINITROTOLUENE 2,6-DINITROTOLUENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NCA<br>NCA  | 0.22<br>37            | 7              | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 2-CHLORONAPHTHALENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA         | 2900                  | 49             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2-CHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NCA         | 180                   | 30             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | _ ND               |
| 2-METHYLNAPHTHALENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA NCA     | 150                   | 12             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 2-METHYLPHENOL (O-CRESOL)<br>2-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA<br>NCA  | 1800<br>370           | 0.2            | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 2-NITROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NCA         | NCA                   | NCA            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 3,3'-DICHLOROBENZIDINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA         | 0.15                  | 0.2            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 3-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NCA         | NCA                   | NCA            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 4,6-DINITRO-2-METHYLPHENOL<br>4-BROMOPHENYL PHENYL ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA<br>NCA  | 2.9<br>NCA            | 0.4<br>NCA     | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 4-CHLORO-3-METHYLPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCA         | 3700                  | NCA            | ND                | ND                  | . ND                | ND                  | ND                  | ND                  | ND                 |
| 4-CHLOROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA         | 0.34                  | 15             | ND                | ND                  | - ND                | ND                  | ND                  | ND                  | ND                 |
| 4-CHLOROPHENYL PHENYL ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA         | NCA                   | NCA            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 4-METHYLPHENOL (P-CRESOL) 4-NITROANILINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA<br>NCA  | 180<br>3.4            | NCA            | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| 4-NITROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NCA         | NCA                   | 60             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| ACENAPHTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA         | 2200                  | 37             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| ACENAPHTHYLENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NCA         | NCA<br>2700           | NCA<br>0.004   | ND                | ND                  | ND ND               | ND                  | ND                  | ND                  | ND                 |
| ACETOPHENONE<br>ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NCA<br>NCA  | 3700<br>11000         | 0.004<br>180   | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| ATRAZINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3           | 0.29                  | 0.3            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| BENZALDEHYDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA         | 3700                  | 370            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| BENZO(A)ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCA         | 0.029                 | 0.09           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND<br>ND           |
| BENZO(A)PYRENE<br>BENZO(B)FLUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.2<br>NCA  | 0.0029                | 0.01           | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND                 |
| BENZO(G,H,I)PERYLENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NCA         | NCA                   | NCA            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| BENZO(K)FLUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NCA         | 0.29                  | 0.9            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| 31S(2-CHLOROETHOXY) METHANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA         | 110                   | NCA            | ND                | ND                  | ND                  | ND                  | ND ND               | ND                  | ND                 |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)<br>BIS(2-CHLOROISOPROPYL) ETHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NCA<br>NCA  | 0.012<br>0.32         | 0.01           | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND ND               | ND<br>ND            | ND<br>ND           |
| BIS(2-ETHYLHEXYL) PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6           | 4.8                   | 5              | ND                | ND                  | ND .                | ND                  | ND                  | 1 J                 | ND                 |
| BUTYL BENZYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA         | 35                    | 730            | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| CAPROLACTAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA         | 18000                 | 1800           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND<br>ND           |
| CARBAZOLE<br>CHRYSENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NCA<br>NCA  | NCA<br>2.9            | 9              | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND                 |
| DIBENZ(A,H)ANTHRACENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NCA         | 0.0029                | 0.01           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| DIBENZOFURAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA         | 37                    | 2              | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| DIETHYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NCA         | 29000                 | 5000           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| DIMETHYL PHTHALATE<br>DI-N-BUTYL PHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NCA<br>NCA  | NCA<br>3700           | NCA<br>NCA     | ND<br>ND          | ND ND               | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND           |
| DI-N-OCTYLPHTHALATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA         | NCA                   | 73             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| LUORANTHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NCA         | 1500                  | 150            | ND                | ND .                | ND                  | ND                  | ND                  | ND                  | ND                 |
| LUORENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCA         | 1500                  | 24             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| HEXACHLOROBENZENE<br>HEXACHLOROBUTADIENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1<br>NCA    | 0. <b>042</b><br>0.86 | 0.04           | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND<br>ND            | ND ND               | ND<br>ND           |
| HEXACHLOROGYCLOPENTADIENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50          | 220                   | 26             | ND                | ND                  | ND                  | ND                  | ND                  | ND I                | ND                 |
| HEXACHLOROETHANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NCA         | 4.8                   | 1              | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| NDENO(1,2,3-C,D)PYRENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA         | 0.029                 | 0.09           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| SOPHORONE INTERPRETATION OF THE STATE OF THE | NCA<br>NCA  | 71<br>0.14            | 71<br>0.7      | ND<br>ND          | ND<br>ND            | ND<br>ND            | ND ND               | ND<br>ND            | ND ND               | ND<br>ND           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA         | 0.14                  | 0.7            | ND                | ND ND               | ND                  | ND I                | ND                  | ND                  | ND                 |
| 1 LUDENZENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                       | 0.01           | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| ITROBENZENE<br>I-NITROSODI-N-PROPYLAMINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA         | 0.0096                | 0.01           |                   | 110                 |                     |                     |                     |                     |                    |
| I-NITROSODI-N-PROPYLAMINE<br>I-NITROSODIPHENYLAMINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA<br>NCA  | 14                    | 14             | ND                | ND                  | ND                  | ND                  | ND                  | ND                  | ND                 |
| -NITROSODI-N-PROPYLAMINE<br>I-NITROSODIPHENYLAMINE<br>ENTACHLOROPHENOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA<br>NCA  | 14<br>0.17            | 14<br>0.6      | ND<br>ND          | ND ND               | ND<br>ND            | ND                  | ND                  | ND<br>ND            | ND                 |
| I-NITROSODI-N-PROPYLAMINE<br>I-NITROSODIPHENYLAMINE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NCA<br>NCA  | 14                    | 14             | ND                | ND                  | ND                  |                     |                     | ND                  |                    |

Notes:
ug/l - micrograms per liter
NCA - No Criteria Available
ND - Not Detected
J - Estimated Concentration
DNREC URS Groundwater - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health

# Table 8 Summary of Groundwater Analytical Results - Pesticides and PCBs Procino Plating (DE-0344) Blades, Delaware

| Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |              |                  | PPM       | W-01       | PPMW-02   | PPMW-03   | PPMW-04   | PPMW-05   | PPMW-06   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
| Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |              |                  | DUP1      | PPMW01     | PPMW02    | PPMW03    | PPMW04    | PPMW05    | PPMW06    |
| Sample Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |              |                  | 6/16/2011 | 6/16/2011  | 6/16/2011 | 6/16/2011 | 6/16/2011 | 6/17/2011 | 6/17/2011 |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |              |                  | ug/l      | ug/l       | ug/l      | ug/l      | ug/l      | ug/I      | ug/I      |
| 7 THE TOTAL OF THE |                                 | EDA DO       | PHOTOLING        |           | <u>J</u> . |           |           |           |           |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPA MCL                         | EPA RSL      | DNREC URS        |           |            |           |           |           |           |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (ug/l)                          | Tapwater     | Groundwater      |           |            |           | 1         |           |           |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | the contract of the contract of | (ug/l)       | (ug/l)           |           |            |           | l:        |           |           |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 | Pesti        | cides by Methos  | SW8081    |            |           | 31        |           |           |           |
| ALDRIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NCA                             | 0.004        | 0.004            | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCA                             | 0.011        | 0.01             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ALPHA ENDOSULFAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NCA                             | NCA          | NCA              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ALPHA-CHLORDANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA                             | NCA          | NCA              | ND        | ND         | ND        | 0.11 P    | ND        | ND        | ND        |
| BETA BHC (BETA HEXACHLOROCYCLOHEXANE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NCA                             | 0.037        | 0.04             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| BETA ENDOSULFAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA                             | NCA          | NCA              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCA                             | NCA          | 0.04             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| DIELDRIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA                             | 0.0042       | 0.004            | 0.14      | ND         | ND        | 1.2       | ND        | 0.62      | ND        |
| ENDOSULFAN SULFATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NCA                             | NCA          | NCA              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ENDRIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                               | 11           | 2                | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ENDRIN ALDEHYDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NCA                             | NCA          | NCA              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| ENDRIN KETONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NCA                             | NCA          | NCA              | ND        | ND         | ND        | 0.047 ]   | ND        | 0.058     | ND        |
| GAMMA BHC (LINDANE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.2                             | 0.061        | 0.05             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| GAMMA-CHLORDANE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                               | 0.19         | 0.2              | ND        | ND         | ND        | 0.034 Jp  | ND        | ND        | ND        |
| HEPTACHLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.4                             | 0.015        | 0.01             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| HEPTACHLOR EPOXIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.2                             | 0.0074       | 0.007            | ND.       | ND         | ND        | 0.055 P   | ND        | ND        | ND        |
| METHOXYCHLOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 40                              | 180          | 40               | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| P,P'-DDD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA                             | 0.28         | 0.3              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| P,P'-DDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA                             | 0.2          | 0.2              | ∥ ND      | ND         | ND        | ND        | ND        | ND        | ND        |
| P,P'-DDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NCA                             | 0.2          | 0.2              | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| TOXAPHENE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                               | 0.061        | 0.06             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| The state of the s |                                 | Polychlorina | ted Biphenyls by | Method SV | V8082      |           |           |           |           |           |
| AROCLOR 1016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.96         | 0.10             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.0068       | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1232                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.0068       | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1242                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.034        | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.034        | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.034        | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |
| AROCLOR 1260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NCA                             | 0.034        | 0.03             | ND        | ND         | ND        | ND        | ND        | ND        | ND        |

#### Notes:

ug/l - micrograms per liter

NCA - No Criteria Available

ND - Not Detected

DNREC URS Groundwater - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health

Shaded - Concentration exceeds DNREC Groundwater URS

<u>Underline</u> - Concentrations exceeds EPA Regional Screening Level for Tapwater

<sup>3 -</sup> Estimated Concentration

P - the %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported by the laboratory.

# Table 9 Summary of Groundwater Analytical Results - Metals Procino Plating (DE-0344) Blades, Delaware

| Location               |                  |                 |                       |            | PPM        | W-01        |            | PPM        | W-02      | PPM          | W-03      | PPM\                 | W-04      | PPM          | W-05        | PPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | W-06      |
|------------------------|------------------|-----------------|-----------------------|------------|------------|-------------|------------|------------|-----------|--------------|-----------|----------------------|-----------|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Sample                 |                  |                 | 1                     | DUP1       | DUP1       | PPMW01      | PPMW01     | PPMW02     | PPMW02    | PPMW03       | PPMW03    | PPMW04               | PPMW04    | PPMW05       | PPMW05      | PPMW06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PPMW06    |
| Total (T) or Dissolved | (D)              |                 |                       | D          | Т          | D           | Т          | D          | Т         | D            | Т         | D                    | Т         | D            | Т           | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | T         |
| Sample Date            |                  |                 |                       | 6/16/2011  | 6/16/2011  | 6/16/2011   | 6/16/2011  | 6/16/2011  | 6/16/2011 | 6/16/2011    | 6/16/2011 | 6/16/2011            | 6/16/2011 | 6/17/2011    | 6/17/2011   | 6/17/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6/17/2011 |
| Unit                   |                  |                 |                       | ua/l       | ua/l       | ua/l        | ua/l       | ua/l       | ua/l      | ua/I         | ug/I      | ua/I                 | uq/1      | ug/I         | ug/I        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ug/I      |
|                        | EPA MOL          | EPA RSL         | DNREC URS             |            |            |             |            |            |           |              |           |                      |           |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |
| Chemilcai              | (ug/l)           | Tapwater (pg/l) | Groundwater<br>(ug/l) |            |            |             |            |            |           |              | _         |                      |           |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |
|                        |                  |                 |                       | NO.        |            | North Col   | Metals by  | Method C20 | 0.7       |              |           | CONTRACTOR OF STREET | 12 3      | CO STATE     | 35          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |
| ALUMINUM               | NCA              | 37000           | 200                   | ND         | 841        | ND          | 722        | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND_       |
| ANTIMONY               | 6                | 15              | 6                     | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | l ND         | ND ND       | l ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ND_       |
| ARSENIC                | 10               | 0.045           | 0.50                  | ND         | ND         | ND          | ND ND      | ND         | ND        | l ND         | ND        | l ND                 | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND_       |
| BARIUM                 | 2000             | 7300            | 260                   | ND :       | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND :                 | ND :      | ND           | l ND        | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND_       |
| BERYLLIUM              | 4                | 73              | 4                     | ND         | ND .       | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND_       |
| CADMIUM                | 5                | 18              | 5                     | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| CALCIUM                | NCA              | NCA             | NCA                   | 10100      | 10800      | 10200 EW    | 9760 EW    | 21600 EW   | 21100 EW  | 12800        | 13100     | 23800 EW             | 23500 EW  | 20500        | 22000       | 12500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13300     |
| CHROMIUM, TOTAL        | 100              | NCA             | 100                   | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | 959                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1030      |
| COBALT                 | NCA .            | 11              | 220                   | ND ND      | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND /                 | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND_       |
| COPPER                 | 1300             | 1500            | 1300                  | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| IRON                   | NCA              | 26000           | 300                   | ND         | 455        | ND          | 337        | ND         | ND        | ND           | ND        | ND                   | ND        | 745          | 892         | 167                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 217       |
| LEAD                   | 15               | NCA             | 15                    | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND.       |
| MAGNESIUM              | NCA              | NCA             | NCA                   | 1810       | 1960       | 1820 EW     | 1790 EW    | 3770 EW    | 3670 EW   | 2420         | 2500      | 5240 EW              | 5160 EW   | 1910         | 2040        | 1560                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1650      |
| MANGANESE              | NCA              | 880             | 50                    | ND         | ND         | ND          | ND         | ND         | ND        | 49.3         | 50.8      | ND                   | ND        | 53.0         | 56.8        | 58.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 62.6      |
| NICKEL                 | NCA              | 730             | 100                   | 47.5       | 48.3       | 47.3 EW     | 43.5 EW    | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | 377                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 399       |
| POTASSIUM              | NCA              | NCA             | NCA                   | 1660       | 1760       | 1660 EW     | 1610 EW    | 2700 EW    | 2650 EW   | 3600         | 3610      | 4420 EW              | 4170 EW   | 3360         | 3480        | 19100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20200     |
| SELENIUM               | 50               | 180             | 50                    | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| SILVER                 | NCA              | 180             | 100                   | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| SODIUM                 | NCA              | NCA             | NCA                   | 4420       | 4490       | 4260        | 4260       | 6240       | 6240      | 8020         | 8410      | 13600 EW             | 13200 EW  | 16900        | 17900       | 7780                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8310      |
| THALLIUM               | 2                | 0.37            | 2                     | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| VANADIUM               | NCA              | NCA             | 26                    | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
| ZINC                   | NCA              | 11000           | 2000                  | ND         | ND         | ND          | ND         | ND         | ND        | 29.7         | 30.5      | ND                   | ND        | ND           | ND          | 304                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 321       |
| E.S. L. L. L.          | 1330             | The state of    |                       | No. of Lot |            | GUE N       | Mercury by | Method C2  | 45.1      | All Property |           | NEW YORK             |           | al and water | AL THOUSAND | A STATE OF THE PARTY OF THE PAR |           |
| MERCURY                | 2                | 0.63            | 2                     | ND         | ND         | ND          | ND         | ND         | ND        | ND           | ND        | ND                   | ND        | ND           | ND          | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ND        |
|                        | THE PART OF SAME | All standing    |                       |            | Old Borris | all all the | Cyanide by | Method E3  | 35.4      | EBU.         |           | ST PRAY              |           | Too sorte    | O MILES     | STATE OF THE PARTY OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |
| CYANIDE                | 200              | 730             | 200                   | ∥ NA       | ND         | l NA        | ND         | NA NA      | ND        | l NA         | ND        | NA                   | ND        | NA NA        | ND          | NA NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ND        |

#### Notes:

ug/l - micrograms per liter

NCA - No Criteria Available

NA - Not Analyzed

ND - Not Detected

EW - Value exceeds a theoretically equal or greater value (e.g., dissolved > total), however, the difference is within the expected precision of the analytical techniques and is not statistically significant.

DNREC URS Groundwater - DNREC Uniform Risk Based Remediation Standard for Protection of Human Health

Shaded - Concentration exceeds DNREC Groundwater URS

Bold - Concentration exceeds EPA Maximum Contaminant Level for drinking water

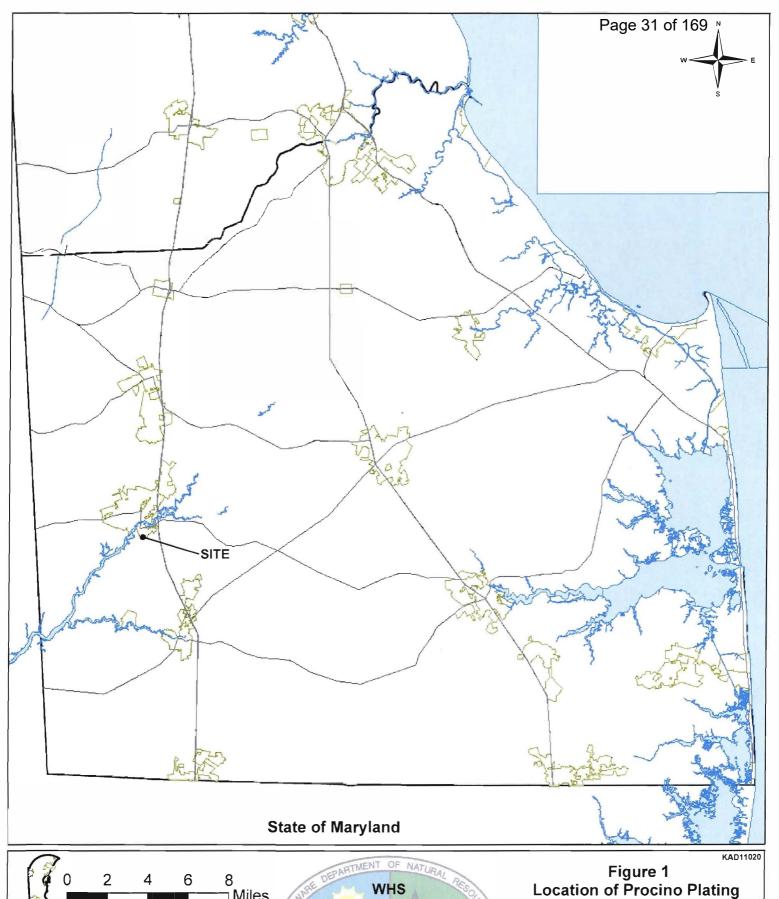


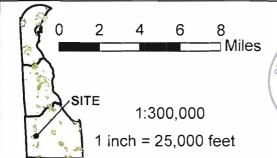
# Table 10 Summary of Private Well Analytical Results Procino Plating (DE-0344) Blades, Delaware

| Location - Numbers Correspond to Figure 1:<br>Address<br>Sample Date<br>Unit |                   |       |                                    | 1<br>26017 River Rd.          |       | 2                         | 3                  | 4                  | 5   | 1                   | 6                         | 7                 | 8                 | 9                  | 10                | 11                | 1              | 12                | 13                 | 14                      | 15                | 16                 | 17                 | 18                 | 19                 | 20                 |
|------------------------------------------------------------------------------|-------------------|-------|------------------------------------|-------------------------------|-------|---------------------------|--------------------|--------------------|-----|---------------------|---------------------------|-------------------|-------------------|--------------------|-------------------|-------------------|----------------|-------------------|--------------------|-------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                                                              |                   |       |                                    |                               |       | Shares<br>well with<br>#1 | 26031<br>River Rd. | 26039<br>River Rd. |     | 8123 First St.      |                           | 8161 First<br>St. | 8140 First<br>St. | Vacant<br>Property | Empty Lot         | 26101 Duncan Ave. |                | Not<br>Sampled    | 26055<br>River Rd. | 26100<br>Duncan<br>Ave. | Not<br>Sampled    | Vacant<br>Property | 8081<br>Second St. | 8093<br>Second St. | 8103<br>Second St. | 26107<br>River Rd. |
|                                                                              |                   |       |                                    | S/19/2010 ######<br>ug/I ug/I |       |                           |                    |                    |     | 1 5/19/2010<br>ug/i | 4/28/2011<br><u>u</u> g/i | 4/28/2011<br>ug/l | 4/28/2011<br>ua/l | 4/28/2011<br>uq/l  | 4/28/2011<br>uq/t | ######            | ######<br>uq/i | 4/28/2011<br>ug/i | 4/28/2011<br>uq/i  | 4/28/2011<br>ug/l       | 4/28/2011<br>uq/l | 4/28/2011<br>ug/l  | 4/28/2011<br>ug/l  | 4/28/2011<br>ug/l  | 4/28/2011<br>ug/l  | 5/19/2010<br>uq/l  |
|                                                                              |                   |       |                                    |                               |       |                           | ug/I               | uq/1               |     |                     |                           |                   |                   |                    |                   | uq/I              |                |                   |                    |                         |                   |                    |                    |                    |                    |                    |
| Chemical                                                                     | EPA MCL<br>(ug/l) |       | DNREC URS<br>Groundwater<br>(ug/l) |                               |       |                           |                    |                    |     |                     |                           |                   |                   |                    |                   |                   |                |                   |                    |                         |                   |                    |                    |                    |                    |                    |
| THE RESERVE                                                                  | April 1           |       |                                    |                               |       |                           | W = W              |                    |     |                     |                           | race Metals       | y Method 2        |                    |                   |                   | -              | -                 |                    | ALUX                    |                   |                    |                    |                    | والموادل           | -                  |
| YNOMITAL                                                                     | 6                 | 15    | 6                                  | ND                            | ND    | NS                        | ND                 | ND                 | NS  | ND                  | ND                        | ND                | ND                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| ARSENIC                                                                      | 10                | 0.045 | 0.50                               | ND                            | ND    | NS                        | ND                 | ND                 | NS  | ND                  | ND                        | ND :              | ND                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND .                    | NS                | NS                 | ND .               | ND                 | ND                 | ND.                |
| BARIUM                                                                       | 2000              | 7300  | 260                                | 241.7                         | 274.5 | NS                        | 525                | 64.2               | NS  | 769.2               | 847.8                     | 422.1             | 76.7              | NS                 | NS                | 131.6             | 136.1          | NS                | 83.2               | 228.9                   | NS                | NS                 | 231.4              | ND                 | 29.8               | 401.               |
| BERYLLIUM                                                                    | 4                 | 73    | 4                                  | 0.7                           | 1.7   | NS                        | 0.5                | ND_                | NS  | 4.0                 | 3.8                       | 0.8               | 0.7               | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | l NS               | 0.5                | ND                 | ND                 | 0.8                |
| CADMIUM                                                                      | 5                 | 18    | 5                                  | 1.6                           | ND    | NS                        | ND                 | ND                 | NS  | 0.5                 | 0.5                       | ND                | ND                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| HROMIUM                                                                      | 100               | NCA   | 100                                | 3.1                           | 2.3   | NS                        | 1.3                | 3.1                | NS  | 2.3                 | 1.6                       | 1.4               | 24.2              | NS                 | NS                | 3.8               | 2.9            | NS                | 4.0                | 1.2                     | NS                | NS                 | 3.5                | 3.3                | 3.1                | 2.8                |
| .EAD                                                                         | 15                | NCA   | 15                                 | 3.2                           | 1.8   | NS                        | 0.6                | 3.8                | NS  | 0.9                 | 1.0                       | 0.6               | 1.9               | NS                 | NS                | ND                | ND             | NS                | ND                 | 2.9                     | NS.               | NS                 | 2.1                | ND ND              | ND                 | 2.7                |
| MANGANESE                                                                    | 50*               | 880   | 50                                 | 146.9                         | 82.3  | NS                        | 97.7               | 5.7                | NS  | 169.9               | 190.6                     | 202.3             | 93.0              | NS                 | NS                | 172,3             | 217.9          | NS                | 37.6               | 40.8                    | l NS              | NS                 | 165.3              | 1.1                | 13.6               | 237.               |
| NICKEL                                                                       | NCA               | 730   | 100                                | 5.9                           | 7.1   | NS                        | 4.6                | 0.6                | NS  | 10.9                | 11.2                      | 6.1               | 76.5              | NS                 | NS                | 2.0               | 2.0            | NS NS             | 1.7                | 2.5                     | NS                | l NS               | 5.1                | ND                 | 1.7                | 13.4               |
| MERCURY                                                                      | 2                 | 11    | 2                                  | ND                            | ND    | NS                        | ND                 | ND                 | NS  | ND                  | ND                        | ND                | 1.0               | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| ELENIUM                                                                      | 50                | 180   | 50                                 | ND                            | ND    | NS NS                     | ND                 | ND                 | NS  | ND                  | ND                        | ND                | ND                | NS                 | NS                | ND I              | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| THALLIUM                                                                     | 2                 | 0.37  | 2                                  | ND                            | ND    | NS -                      | ND                 | ND_                | NS  | ND                  | ND                        | ND                | ND                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| JRANIUM                                                                      | 30                | 110   | 11                                 | ND                            | ND    | NS                        | ND                 | ND                 | NS  | ND                  | ND                        | ND                | ND                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | NS                 | ND                 | ND                 | ND                 | ND                 |
| INC                                                                          | 5000°             | 11000 | 2000                               | 6950                          | 364.6 | NS                        | 42.2               | ND                 | NS  | 1360                | 1426.5                    | 23.3              | 17.2              | NS                 | NS                | 21.1              | 24.9           | NS                | ND                 | 30.3                    | NS                | NS.                | 46.4               | ND                 | ND                 | 35.7               |
| END PROPERTY                                                                 |                   |       |                                    |                               | _     |                           |                    |                    |     | ,                   |                           | Cvanide by        |                   |                    |                   |                   | SIZE           |                   |                    |                         |                   | -                  | 1                  |                    |                    | 1                  |
| CYANIDE                                                                      | 200               | 730   | 200                                | ND                            | ND    | NS                        | ND                 | ND                 | NS  | ND                  | ND                        | ND                | 20                | NS                 | NS                | ND                | ND             | NS                | ND                 | ND                      | NS                | l NS               | ND                 | ND                 | ND                 | ND.                |
| /OCs                                                                         | -                 |       |                                    |                               |       |                           | 0                  |                    | 100 | 1                   |                           | Organic Comp      |                   |                    |                   |                   |                |                   |                    |                         | -                 |                    |                    |                    |                    | 8                  |
|                                                                              |                   | . 44  | 9443                               | ND                            | NA.   | NS                        | NA.                | NA.                | NS  | ND                  | NA.                       | NA                | NA                | NS                 | NS                | ND                | NA.            | NS                | NA                 | NA.                     | NS                | NS                 | NA                 | NA NA              | NA                 | ND                 |

# **FIGURES**

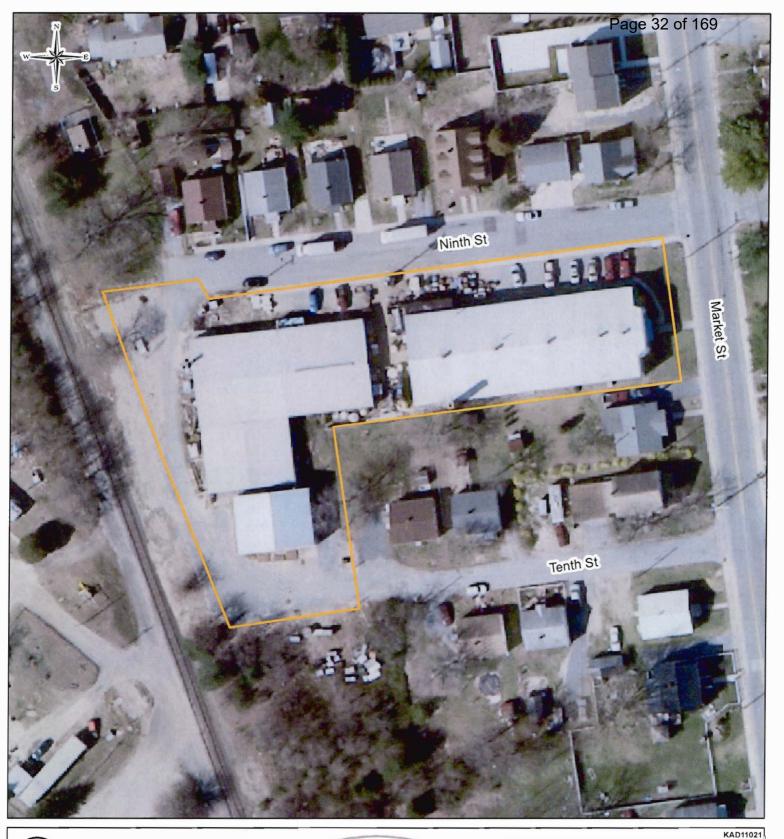
Procino Plating DE-0344

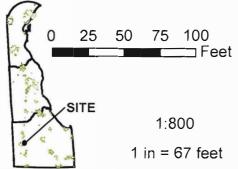




WHS
Site Invesigation &
Restoration Section
391 Lukens Dr.,
New Castle, DE 19720
302.395.2600

# Figure 1 Location of Procino Plating (DE-0344) in Sussex County, Delaware

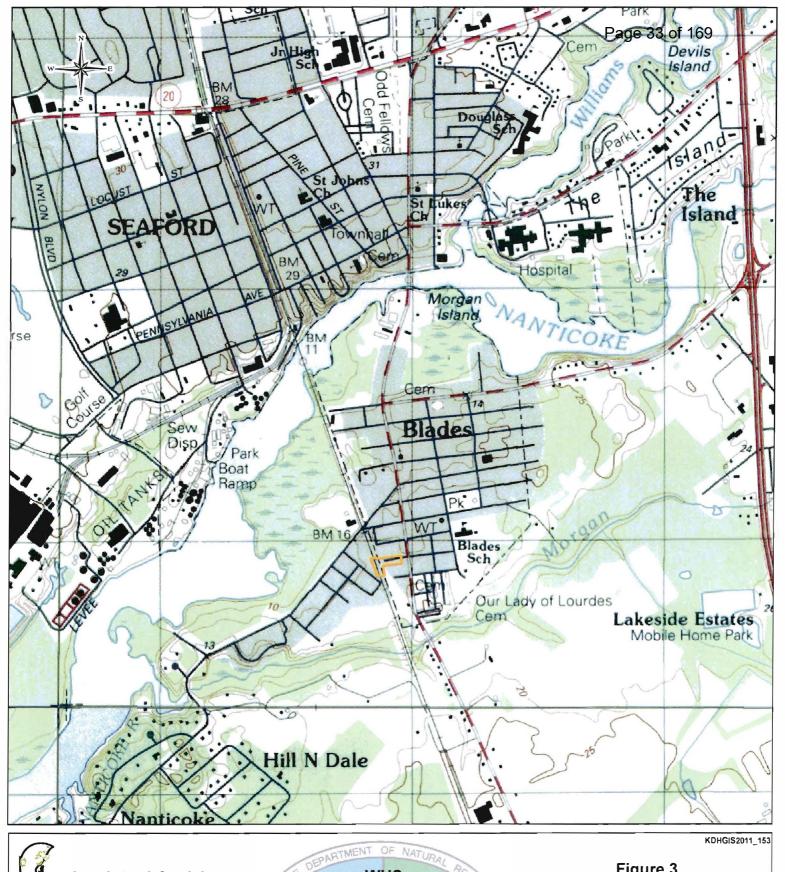


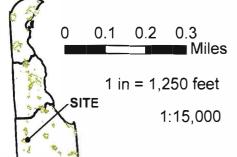


WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

NATURAL

# Figure 2 Site Features Map Procino Plating (DE-0344) Blades, Delaware





Site Investigation & Restoration Section 391 Lukens Drive, New Castle, DE 19720 302.395.2600

### Figure 3 USGS 7.5 Minute Topo Map Procino Plating (DE-0344)



0 75 150 225 300 Feet 1 in = 200 feet 1:2,400

WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

ENVIRONMENTAL

# Figure 4 1937 Aerial Photograph Procino Plating (DE-0344)

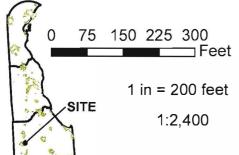


0 75 150 225 300 Feet 1 in = 200 feet 1:2,400

WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

## Figure 5 1954 Aerial Photograph Procino Plating (DE-0344)





WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

### Figure 6 1961 Aerial Photograph Procino Plating (DE-0344)



0 75 150 225 300 Feet 1 in = 200 feet 1:2,400

WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

#### Figure 7 1968 Aerial Photograph Procino Plating (DE-0344)

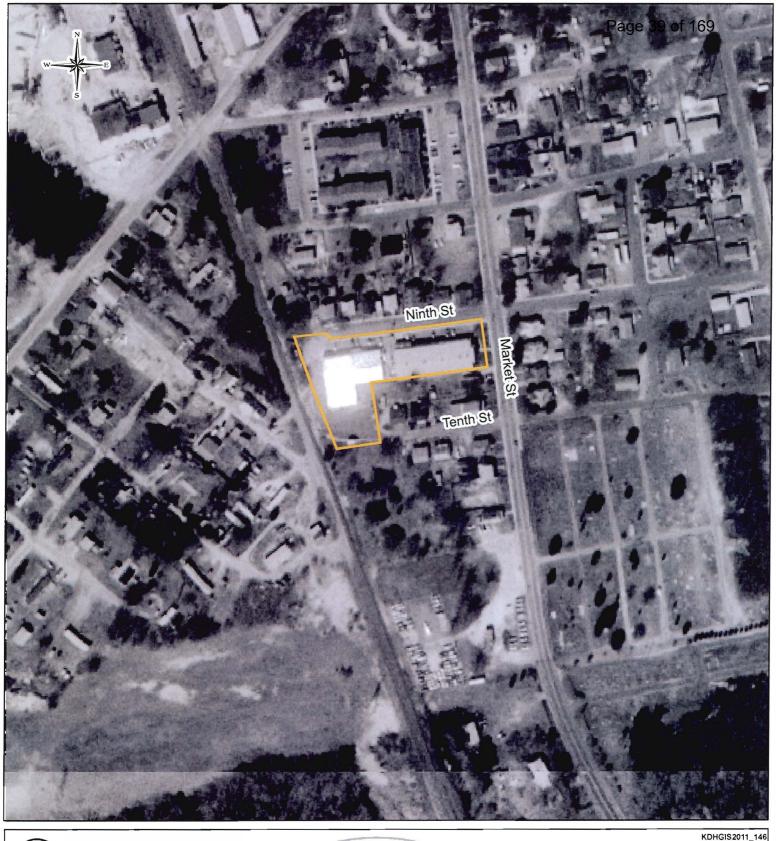


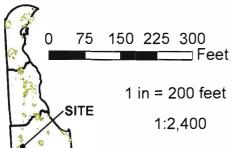
0 75 150 225 300 Feet 1 in = 200 feet 1:2,400

WHS
Site Investigation &
Restoration Section
391 Lukens Drive,
New Castle, DE 19720
302.395.2600

ENVIRONMENTAL CON

#### Figure 8 1992 Aerial Photograph Procino Plating (DE-0344)

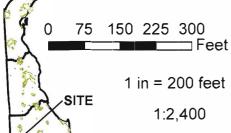




OF NATURAL

#### Figure 9 1997 Aerial Photograph Procino Plating (DE-0344)

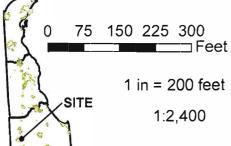




ENVIRONMENTAL CON

#### Figure 10 2002 Aerial Photograph Procino Plating (DE-0344)

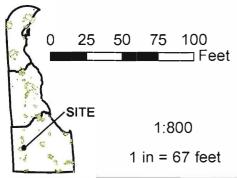




ENVIRONMENTAL CON

#### Figure 11 2007 Aerial Photograph Procino Plating (DE-0344)



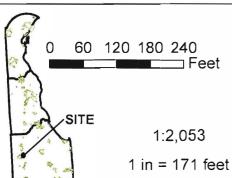


ENVIRONMENTAL CON

NATURA

# Figure 12 Monitoring Well and Soil Boring Locations Procino Plating (DE-0344)

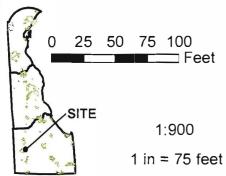




ENVIRONMENTAL CON

### Figure 13 Private Well Sampling Locations Procino Plating (DE-0344)





ENVIRONMENTAL CON

OF NATURA

# Figure 14 Groundwater Elevation Contour Map - 5/24/11 Procino Plating (DE-0344)

This map is provided by the DNREC-SIRB solely for displayand reference purposes and is subject to change withoutnotice. DNREC-SIRB will not be held responsible for the assumed accuracy contained in the map or for use other than it's intended purpose.

September 2011

KAD11024

### **APPENDICES**

Procino Plating DE-0344

### APPENDIX A PARCEL TITLE SEARCH

Procino Plating DE-0344

#### Tax Parcel Numbers:

132-1.15-187.00 and 132-1.15-188.00

| Purchase Date          | Sale Date       | Owners                    |  |  |  |  |
|------------------------|-----------------|---------------------------|--|--|--|--|
| Parcel 132-1.15-187.00 |                 |                           |  |  |  |  |
| 4/11/2011              | -               | Four Pros Properties, LLC |  |  |  |  |
| 5/3/1996               | 4/11/2011       | Patrick and Rita Procino  |  |  |  |  |
| 6/23/1988              | 5/3/1996        | HMS Blades, Limited       |  |  |  |  |
| -                      | 6/23/1988       | John and Eileen Reynolds  |  |  |  |  |
|                        | Parcel 132-1.15 | -188.00                   |  |  |  |  |
| 4/11/2011              |                 | Four Pros Properties, LLC |  |  |  |  |
| 7/16/1996              | 4/11/2011       | Patrick and Rita Procino  |  |  |  |  |
| -                      | 7/16/1996       | Gordon A Ramsey           |  |  |  |  |

### APPENDIX B SOIL BORING LOGS

Procino Plating DE-0344

| ageof                        | 5/24/11 Page                        | Geologist: JGC                              | Logger: KAD          | B-01         | D: PPS          | Boring I           |
|------------------------------|-------------------------------------|---------------------------------------------|----------------------|--------------|-----------------|--------------------|
|                              | arm, humid                          | Weather: Sunny,                             | ting                 | ino Plat     | ne: <b>Proc</b> | Site Nan           |
|                              |                                     |                                             | Driller: Vironex     | -0344        | ID: <b>DE</b>   | <br>DNREC          |
| ne: 12:55                    | Sample 8.35-<br>Interval 9.25 Time: | <b>Deep</b> PP-<br>me: 12:50 <b>Sample:</b> | Sample               |              |                 | Shallow<br>Sample: |
| Moisture<br>H <sub>2</sub> O |                                     | Description                                 |                      | End<br>Depth | Start<br>Depth  | Core#<br>PID       |
|                              |                                     |                                             | No Recovery          | 0.8          | 0               | 1                  |
| Dry                          |                                     | l gravel                                    | Asphalt crumbles and | 1.2          | 0.8             | PID=0              |
| Dry                          |                                     |                                             | Brown MG Sand        | 1.85         | 1.2             |                    |
| Dry                          |                                     | c FG to MG Sand                             | Dark. Brown to Black | 2.35         | 1.85            |                    |
| Dry                          | ace Organic                         | FG to MG Sand, Trace S                      | Tan and Light Brown  | 5.0          | 2.35            |                    |
|                              |                                     |                                             | No Recovery          | 7.3          | 5.0             | 2                  |
| Dry                          |                                     |                                             | Fallback             | 8.35         | 7.3             | PID=0              |
| Dry                          |                                     | ed FG to MG Sand                            | Tan and Brown Mottl  | 9.25         | 8.35            |                    |
| Wet                          |                                     | rown FG to MG Sand                          | Laminated Tan and B  | 10.0         | 9.25            |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     | •                                           |                      |              |                 | -2                 |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |
|                              |                                     |                                             |                      |              |                 |                    |

| Boring I           | D: PPS         | B-02         | Logger: JGC/KAD Geologist: JGC Date: 05/24/11 Page                                            | of                            |
|--------------------|----------------|--------------|-----------------------------------------------------------------------------------------------|-------------------------------|
| Site Nan           |                |              |                                                                                               |                               |
| DNREC              | ID: <b>DE</b>  | E-0344       | Driller: Vironex                                                                              |                               |
| Shallow<br>Sample: |                | - 1          | Sample Deep PPSB-02D Sample 7.6-<br>Interval 1.15-3.15 Time: 12:15 Sample: Interval 9.1 Time: | 12:20                         |
| Core#<br>PID       | Start<br>Depth | End<br>Depth | Description                                                                                   | Moisture/<br>H <sub>2</sub> O |
| 1                  | 0              | 0.7          | No Recovery                                                                                   |                               |
| PID=0              | 0.7            | 1            | Asphalt crumbles and gravel                                                                   | Dry                           |
|                    | l              | 1.9          | Orange and Light Brown Fine Medium Sand – Trace Silt                                          | Dry                           |
|                    | 1.9            | 2.7          | Dark Brown and Black FG to MG Sand                                                            | Dry                           |
|                    | 2.7            | 5.0          | Tan, Light Brown FG to MG Sand, TR. Organic (3.6 -3.9)                                        | Dry                           |
| 2                  | 5.0            | 7.2          | No Recovery                                                                                   |                               |
| PID=0              | 7.2            | 7.6          | Fallback                                                                                      | Dry                           |
|                    | 7.6            | 9.1          | Tan, Light Brown FG to MG Sand, TR. Organic (3.6 -3.9)                                        | Dry                           |
|                    | 9.1            | 10.0         | FG Tan and Light Brown Sand                                                                   | Wet                           |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              | v.                                                                                            |                               |
|                    |                |              |                                                                                               |                               |
|                    |                |              |                                                                                               |                               |

| Boring            | ID: PPS          | SB-03        | Logger:<br>KAD/JGC             | Geologi          | st: JGC              | Date: (  | 05/24/11                    | Page  | of                            |
|-------------------|------------------|--------------|--------------------------------|------------------|----------------------|----------|-----------------------------|-------|-------------------------------|
| Site Na           | me: <b>Pro</b>   | cino Pla     | ting                           | Wear             | ther: Sunny, l       | ight bre | eze, warm, hun              | nid   |                               |
| DNREC             | C ID: <b>D</b> i | E-0344       | Driller: Viro                  | nex              |                      |          |                             |       |                               |
| Shallow<br>Sample | PPSB             |              | Sample 1.15 -<br>Interval 3.15 | Time: 10:40      | Deep PPS.<br>Sample: | B-03D    | Sample 6.9-<br>Interval 8.9 | Time: | 10:45                         |
| Core#<br>PID      | Start<br>Depth   | End<br>Depth |                                | I                | Description          |          |                             |       | Moisture/<br>H <sub>2</sub> O |
| 1                 | 0                | 0.9          | No Recovery                    |                  |                      |          |                             |       |                               |
| PID=0             | 0.9              | 1.25         | Gravel and Gray A              | Asphalt          |                      |          |                             |       | Dry                           |
|                   | 1.25             | 1.6          | Tan/Orange Medit               | um Sand with Tr  | ace Silt             |          |                             |       | Dry                           |
|                   | 1.6              | 1.9          | Dark Brown to Bla              | ack Fine to Medi | um Sand              |          |                             |       | Dry                           |
|                   | 1.9              | 2.1          | Light Brown Fine               | to Medium Sand   | with Gravel          |          |                             |       | Dry                           |
|                   | 2.1              | 2.45         | Tan Fine to Mediu              | m Sand           |                      |          |                             |       | Dry                           |
|                   | 2.45             | 2.95         | Dark Brown to Bla              | ack FG to MG Sa  | and                  |          |                             |       | Dry                           |
|                   | 2.95             | 5.0          | Light Brown FG to              | o MG Sand, Trac  | e Gravel             |          |                             |       | Dry                           |
| 2                 | 5.0              | 6.1          | No Recovery                    |                  |                      |          |                             |       |                               |
| PID=0             | 6.1              | 6.7          | Light Brown FG to              | o MG Sand, Trac  | e Gravel             |          |                             |       | Dry                           |
|                   | 6.7              | 6.95         | Black and Tan MC               | G to CG Sand, Tr | ace Gravel           |          |                             |       | Dry                           |
|                   | 6.95             | 8.9          | Mottled Tan and L              | ight Brown FG t  | o MG Sand            |          |                             |       | Dry                           |
|                   | 8.9              | 10.0         | Mottled Tan and L              | ight Brown FG t  | o MG Sand,           | Trace G  | ravel                       |       | Wet                           |
|                   |                  |              |                                |                  |                      | =        |                             |       |                               |
|                   |                  |              |                                |                  | _                    |          |                             |       |                               |
|                   |                  |              |                                |                  |                      |          |                             | _     |                               |
|                   |                  |              |                                |                  |                      |          |                             |       | 1                             |
|                   |                  |              |                                |                  |                      |          |                             | -     |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |
|                   |                  |              |                                |                  |                      | <u> </u> |                             | _     |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |
|                   |                  |              |                                |                  |                      | _        |                             |       |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |
|                   |                  |              |                                |                  |                      |          |                             | 3     |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |
|                   |                  | -            |                                |                  |                      |          |                             |       |                               |
|                   |                  |              |                                |                  |                      |          |                             |       |                               |

| Boring II                                         | D: PPSI        | B-04         | Logger: KAD Geologist: JGC Date: 05/26/11 Page_                                    | of                            |
|---------------------------------------------------|----------------|--------------|------------------------------------------------------------------------------------|-------------------------------|
| Site Nam                                          |                |              |                                                                                    |                               |
| DNREC 1                                           |                |              | Driller: Vironex                                                                   |                               |
| Shallow                                           |                |              | Sample Deep PPSB-04D Sample 8.0-                                                   |                               |
| Sample:                                           |                |              | Interval 1.6-3.6 Time: 09:42 Sample: Interval 10.0 Time: (                         |                               |
| Core#<br>PID                                      | Start<br>Depth | End<br>Depth | Description                                                                        | Moisture/<br>H <sub>2</sub> O |
| 1                                                 | 0              | 1.1          | No Recovery                                                                        |                               |
| PID=0.3@<br>1.65'<br>3.6-hi<br>otherwise<br>PID=0 | 1.1            | 1.6          | Light and Dark Brown Silty Sand and Gravel                                         | Dry                           |
|                                                   | 1.6            | 2.5          | Mottled Light and Dark Brown Silty FG/MG Sand, Trace Gravel                        | Dry                           |
|                                                   | 2.5            | 2.95         | Brown Silty FG/MG Sand, Trace Clay                                                 | Dry                           |
|                                                   | 2.95           | 4.0          | Mottled Light and Dark Brown FG/MG Sand, Gravel @3.55'                             | Dry                           |
|                                                   | 4.0            | 4.15         | Orange and Brown FG/MG Sand                                                        | Dry                           |
|                                                   | 4.15           | 4.45         | Dark Brown FG/MG Sand                                                              | Dry                           |
|                                                   | 4.45           | 5.0          | Mottled Tan and Brown FG/MG Sand                                                   | Dry                           |
| 2                                                 | 5.0            | 7.0          | No Recovery                                                                        |                               |
| PID=0                                             | 7.0            | 7.3          | Fall Back (PID HIT = 0.8)                                                          | Dry                           |
|                                                   | 7.3            | 8.15         | Mottled Tan and Brown FG/MG sand                                                   | Dry                           |
|                                                   | 8.15           | 10.0         | Laminated Tan and Brown FG/MG Sand (Moist @10')                                    | Dry                           |
| 3                                                 | 10.0           | 11.7         | No Recovery                                                                        |                               |
| PID=0                                             | 11.7           | 12.2         | Fall Back                                                                          |                               |
|                                                   | 12.2           | 170          | Tan FG/MG sand, TR. Heavy Mineral, Concentration of heavy minerals @ 13.15 – 13.3' | Wet                           |
|                                                   |                |              |                                                                                    |                               |
|                                                   |                |              |                                                                                    |                               |
|                                                   |                |              |                                                                                    |                               |
|                                                   |                |              |                                                                                    |                               |
|                                                   |                |              |                                                                                    |                               |

| Boring ID: PPS Site Name: Pro DNREC ID: DI Shallow Sample: PPSB Core# Start PID Depth 1 0 PID=0 2.05 2.2 2.7 3.15 3.4 3.55                                                                               | E-0344<br>E-05S                   | Logger: KAD Geologist: JGC Date: 05/25/11 Page  Weather: Sunny, lt. breeze, warm, humid  Driller: Vironex  Sample Interval 2.2-4.2 Time: 10:29 Sample: Interval 11.3-12.3 Tim  Description |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| DNREC ID: DI Shallow Sample: PPSB Core# Start PID Depth 1 0 PID=0 2.05 2.2 2.7 3.15 3.4                                                                                                                  | E-0344<br>B-05S End Depth 0.8 2.2 | Driller: Vironex Sample Interval 2.2-4.2 Time: 10:29 Deep PPSB-05D Sample 9-10 & Interval 11.3-12.3 Tim Description                                                                        | Moisture/ |
| Shallow           Sample:         PPSB           Core#         Start           PID         Depth           1         0           PID=0         2.05           2.2         2.7           3.15         3.4 | End Depth 0.8 2.2                 | Sample   Deep PPSB-05D   Sample 9-10 &   Interval 2.2-4.2   Time: 10:29   Sample: Interval 11.3-12.3   Time   Description                                                                  | Moisture/ |
| Core# Start PID Depth  1 0 PID=0 2.05  2.2  2.7  3.15  3.4                                                                                                                                               | End Depth 0.8 2.2                 | Description                                                                                                                                                                                |           |
| PID=0 2.05<br>2.2<br>2.7<br>3.15<br>3.4                                                                                                                                                                  | 2.2                               | No Recovery                                                                                                                                                                                |           |
| 2.2<br>2.7<br>3.15<br>3.4                                                                                                                                                                                | +                                 |                                                                                                                                                                                            |           |
| 2.7<br>3.15<br>3.4                                                                                                                                                                                       | 2.7                               | Grass and Topsoil                                                                                                                                                                          | Dry       |
| 3.15                                                                                                                                                                                                     |                                   | Dark Brown Silty FG/MG Sand                                                                                                                                                                | Dry       |
| 3.4                                                                                                                                                                                                      | 3.15                              | Light Brown FG/MG Sand                                                                                                                                                                     | Dry       |
|                                                                                                                                                                                                          | 3.4                               | Light Brown FG/MG Sand with Gravel and Pebbles                                                                                                                                             | Dry       |
| 3.55                                                                                                                                                                                                     | 3.55                              | Light Brown FG/MG Sand with Gravel and Pebbles 2.7 – 3.15                                                                                                                                  | Dry       |
|                                                                                                                                                                                                          | 3.7                               | Light to Dark Brown MG/CG Sand and Gravel                                                                                                                                                  | Dry       |
| 3.7                                                                                                                                                                                                      | 4.2                               | Dark Brown FG/MG Sand                                                                                                                                                                      | Dry       |
| 4.2                                                                                                                                                                                                      | 5.0                               | Light Brown FG/MG Sand                                                                                                                                                                     | Dry       |
| 2 5.0                                                                                                                                                                                                    | 6.75                              | No Recovery                                                                                                                                                                                |           |
| PID=0 6.75                                                                                                                                                                                               | 7.15                              | Fall Back                                                                                                                                                                                  | Dry       |
| 7.15                                                                                                                                                                                                     |                                   | Light Brown to Orange FG/MG Sand, Trace Silt  Laminated Tan and Orange FG/MG Sand with a few heavy mineral                                                                                 | Dry       |
| 8.1                                                                                                                                                                                                      | 1                                 | laminations                                                                                                                                                                                | Dry       |
| 3 10.0                                                                                                                                                                                                   | 10.5                              | No Recovery                                                                                                                                                                                |           |
| PID=0 10.5                                                                                                                                                                                               | 11.3                              | Fallback (water @11-11.5)                                                                                                                                                                  |           |
| 11.3                                                                                                                                                                                                     | 12.1                              | Laminated Tan and Orange FG/MG Sand                                                                                                                                                        | Dry       |
| 12.1                                                                                                                                                                                                     | 12.65                             | Light Brown Silty FG/MG Sand                                                                                                                                                               | Moist     |
| 12.65                                                                                                                                                                                                    | 13.7                              | Tan FG/MG Sand, Silty Sand Lens (12.85-13.0)                                                                                                                                               | Wet       |
| 13.7                                                                                                                                                                                                     | 13.9                              | Tan MG/CG Sand                                                                                                                                                                             | Wet       |
| 13.9                                                                                                                                                                                                     | 15.0                              | Tan FG/MG Sand                                                                                                                                                                             | Wet       |
|                                                                                                                                                                                                          |                                   |                                                                                                                                                                                            |           |
|                                                                                                                                                                                                          |                                   |                                                                                                                                                                                            |           |
|                                                                                                                                                                                                          |                                   |                                                                                                                                                                                            |           |
|                                                                                                                                                                                                          |                                   |                                                                                                                                                                                            | (         |
|                                                                                                                                                                                                          |                                   |                                                                                                                                                                                            |           |

| Boring I           | D: PPS         | SB-06        | Logger: KAD Geologist: JGC Date: 05/25/11 Page                                               | of                            |
|--------------------|----------------|--------------|----------------------------------------------------------------------------------------------|-------------------------------|
| Site Nar           | ne: <b>Pro</b> | cino Pla     | ting Weather: Sunny, lt. breeze, hot, humid                                                  |                               |
| I<br>DNREC         | D: <b>DE</b>   | E-0344       | Driller: Vironex                                                                             |                               |
| Shallow<br>Sample: |                |              | Sample Deep PPSB-06D Sample 8.0-<br>Interval 3.0-5.0 Time: 13:30 Sample: Interval 10.0 Time: | 13:36                         |
| Core#<br>PID       | Start<br>Depth | End<br>Depth | Description                                                                                  | Moisture/<br>H <sub>2</sub> O |
| 1                  | 0              | 2.7          | No Recovery                                                                                  |                               |
| PID=0              | 2.7            | 2.95         | Grass and Topsoil                                                                            | Dry                           |
|                    | 2.95           | 4.5          | Light and Dark Brown Silty FG/MG Sand, Roots                                                 | Dry                           |
|                    | 4.5            | 5.0          | Light Brown FG/MG Sand                                                                       | Dry                           |
| 2                  | 5.0            | 6.9          | No Recovery                                                                                  |                               |
| PID=0              | 6.9            | 7.15         | Fallback                                                                                     | Į                             |
|                    | 7.15           | 7.9          | Orangish brown FG/MG Sand                                                                    | Dry                           |
|                    | 7.9            | 10.0         | Laminated Tan and Brown FG/MG Sand, Trace Heavy Minerals                                     | Dry                           |
|                    |                |              |                                                                                              |                               |
|                    |                |              | Wet at 10'                                                                                   |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |
|                    |                |              |                                                                                              |                               |

| Boring I          | D: PPS         | B-07         | Logger: KAD Geologist: JGC Date: 05/26/11 Page                                              | of                            |
|-------------------|----------------|--------------|---------------------------------------------------------------------------------------------|-------------------------------|
| Site Nar          | ne: <b>Pro</b> | cino Pla     | Weather: Sunny, breeze, warm, humid                                                         |                               |
| I<br>DNREC        | ID: <b>DE</b>  | E-0344       | Driller: Vironex                                                                            |                               |
| Shallow<br>Sample |                |              | Sample Deep PPSB-07D Sample 7.6-<br>Interval 2.9-4.9 Time: 09:12 Sample: Interval 9.6 Time: | 09:20                         |
| Core#<br>PID      | Start<br>Depth | End<br>Depth | Description                                                                                 | Moisture/<br>H <sub>2</sub> O |
| 11                | 0              | 2.55         | No Recovery                                                                                 |                               |
| PID=0             | 2.55           | 2.9          | Dark Brown Silty Sand and Gravel "topsoil"                                                  | Dry                           |
|                   | 2.9            | 3.35         | Light Brown and Tan Silty MG/CG Sand                                                        | Dry                           |
|                   | 3.35           | 4.5          | Mottled light and dark Brown FG/MG Sand, TR. Gravel                                         | Dry                           |
|                   | 4.5            | 5.0          | Laminated light and dark Brown FG/MG Sand                                                   | Dry                           |
| 2                 | 5.0            | 6.8          | No Recovery                                                                                 |                               |
| PID=0             | 6.8            | 7.25         | Fall Back                                                                                   | Dry                           |
|                   | 7.25           | 8.55         | Mottled Light and Dark Brown FG/MG Sand                                                     | Dry                           |
|                   | 8.55           | 10.0         | Laminated Light and Dark Brown FG/MG Sand Moist @9.6'                                       | Dry                           |
| 3                 | 10.0           | 11.1         | No Recovery (Wet @ 10')                                                                     |                               |
| PID=0             | 11.1           | 11.6         | Fallback                                                                                    |                               |
|                   | 11.6           | 14.5         | Tan FG/MG Sand, Heavy Mineral Laminations                                                   | Wet                           |
|                   | 14.5           | 14.8         | Tan FG/CG Sand, Trace Gravel                                                                | Wet                           |
|                   | 14.8           | 15.0         | Tan FG/MG Sand                                                                              | Wet                           |
|                   |                |              |                                                                                             |                               |
|                   |                |              | Duplicate of PPSB-07D is PPSB-40D                                                           |                               |
|                   |                |              |                                                                                             |                               |
|                   |                |              |                                                                                             |                               |
|                   |                |              |                                                                                             |                               |
|                   |                |              |                                                                                             |                               |
|                   |                |              |                                                                                             |                               |
|                   |                |              |                                                                                             |                               |

| Boring I           | D: PPN         | ЛW-01        | Logger: KAD Geologist: JGC Date: 05/24/11 Page_                                          | of                            |
|--------------------|----------------|--------------|------------------------------------------------------------------------------------------|-------------------------------|
| Site Nar           | ne: <b>Pro</b> | cino Pla     | ting Weather: Sunny, breezy, warm, humid                                                 |                               |
| I<br>DNREC         | D: DE          | C-0344       | Driller: Vironex                                                                         |                               |
| Shallow<br>Sample: |                |              | Sample Deep PPMW-01D Sample 7.65 Interval 1.3-3.3 Time: 13:10 Sample: Interval 9.3 Time: | 13:15                         |
| Core#<br>PID       | Start<br>Depth | End<br>Depth | Description                                                                              | Moisture/<br>H <sub>2</sub> O |
| 1                  | 0              | 1.2          | No Recovery                                                                              |                               |
| PID=0              | 1.2            | 1.3          | Roots and Topsoil                                                                        | Dry                           |
|                    | 1.3            | 2.95         | Dark Brown and Black Silty FG to MG Sand                                                 | Dry                           |
|                    | 2.95           | 5.0          | Mottled Tan and Light Brown FG to MG Sand, Trace Organics                                | Dry                           |
| 2                  | 5.0            | 7.3          | No Recovery                                                                              |                               |
| PID=0              | 7.3            | 7.65         | Fallback                                                                                 | Dry                           |
|                    | 7.65           | 9.3          | Mottled Tan and Brown FG to MG Sand, Trace Organics                                      | Dry                           |
|                    | 9.3            | 10.0         | Mostly FG Sand, Mottled Tan and Brown                                                    | Wet                           |
| 3                  | 10.0           | 13.2         | No Recovery                                                                              |                               |
| PID=0              | 13.2           | 15.0         | Tan MG to CG Sand                                                                        | Wet                           |
| 4                  | 15.0           | 18.6         | No Recovery                                                                              |                               |
| PID=0              | 18.6           | 19.2         | Tan and Light Brown FG to MG Sand                                                        | Wet                           |
|                    | 19.2           | 20.0         | Tan MG to CG Sand and Quartz Gravel                                                      | Wet                           |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              | Set Well @ 18'                                                                           |                               |
|                    |                |              | per well (a) 10                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |
|                    |                |              |                                                                                          |                               |

| D: <b>DE</b> PPMW Start Depth 0 0.9 1.2 1.7 2.1 2.65 3.1               | 7-02S End Depth 0.9 1.2 1.7 2.1 2.65                                                           | Weather: Sunny, breeze, warm, humid  Driller: Vironex  Sample  Interval 1.3-3.3 Time: 11:00 Sample: Interval 9.2 Time:  Description  No Recovery  Asphalt crumbles and gravel  Tan and Orange Silty Fine – Medium Sand  Dark Brown Silty Fine Sand  Tan and Orange Silty Fine to Medium Sand | Moisture/<br>H <sub>2</sub> O<br>Dry<br>Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PPMW<br>Start<br>Depth<br>0<br>0.9<br>1.2<br>1.7<br>2.1<br>2.65<br>3.1 | 7-02S End Depth 0.9 1.2 1.7 2.1 2.65                                                           | Driller: Vironex  Sample Interval 1.3-3.3 Time: 11:00 Sample: Interval 9.2 Time:  Description  No Recovery  Asphalt crumbles and gravel  Tan and Orange Silty Fine – Medium Sand  Dark Brown Silty Fine Sand                                                                                 | Moisture/<br>H <sub>2</sub> O<br>Dry<br>Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PPMW<br>Start<br>Depth<br>0<br>0.9<br>1.2<br>1.7<br>2.1<br>2.65<br>3.1 | 7-02S End Depth 0.9 1.2 1.7 2.1 2.65                                                           | Sample   Deep PPMW-02D   Sample 7.2-   Interval 1.3-3.3   Time: 11:00   Sample:   Interval 9.2   Time: Description    No Recovery   Asphalt crumbles and gravel   Tan and Orange Silty Fine – Medium Sand   Dark Brown Silty Fine Sand                                                       | Moisture/<br>H <sub>2</sub> O<br>Dry<br>Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth 0 0.9 1.2 1.7 2.1 2.65 3.1                                       | Depth 0.9 1.2 1.7 2.1 2.65                                                                     | No Recovery  Asphalt crumbles and gravel  Tan and Orange Silty Fine – Medium Sand  Dark Brown Silty Fine Sand                                                                                                                                                                                | H₂O  Dry  Dry  Dry  Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 0.9<br>1.2<br>1.7<br>2.1<br>2.65<br>3.1                                | 1.2<br>1.7<br>2.1<br>2.65                                                                      | Asphalt crumbles and gravel  Tan and Orange Silty Fine – Medium Sand  Dark Brown Silty Fine Sand                                                                                                                                                                                             | Dry<br>Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.2<br>1.7<br>2.1<br>2.65<br>3.1                                       | 1.7<br>2.1<br>2.65                                                                             | Tan and Orange Silty Fine – Medium Sand  Dark Brown Silty Fine Sand                                                                                                                                                                                                                          | Dry<br>Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.7<br>2.1<br>2.65<br>3.1                                              | 2.1<br>2.65                                                                                    | Dark Brown Silty Fine Sand                                                                                                                                                                                                                                                                   | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2.1<br>2.65<br>3.1                                                     | 2.65                                                                                           |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2.65                                                                   |                                                                                                | Tan and Orange Silty Fine to Medium Sand                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.1                                                                    | 3.1                                                                                            | 1                                                                                                                                                                                                                                                                                            | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                        |                                                                                                | Dark Brown Silty Fine Sand                                                                                                                                                                                                                                                                   | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 50                                                                     | 5.0                                                                                            | Light Brown to Tan Fine to Medium Sand                                                                                                                                                                                                                                                       | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2.0                                                                    | 6.8                                                                                            | No Recovery                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6.8                                                                    | 7.0                                                                                            | Light Brown to Tan Fine to Medium Sand                                                                                                                                                                                                                                                       | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7.0                                                                    | 7.15                                                                                           | Dark Brown to Balck Fine to Medium Sand and Trace Gravel                                                                                                                                                                                                                                     | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7.15                                                                   | 9.2                                                                                            | Mottled Tan and Brown Fine to Medium Sand                                                                                                                                                                                                                                                    | Dry_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9.2                                                                    | 10                                                                                             | Tan Fine Sand                                                                                                                                                                                                                                                                                | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10.0                                                                   | 10.2                                                                                           | No Recovery                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 10.2                                                                   | 12.3                                                                                           | Fine Grained Tan sand with Trace Pebbles                                                                                                                                                                                                                                                     | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12.3                                                                   | 13.0                                                                                           | Medium to Course Grained Tan Sand and Pebbles                                                                                                                                                                                                                                                | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3.0                                                                    | 13.7                                                                                           | Fine Grained Tan Sand with Trace Pebbles                                                                                                                                                                                                                                                     | Wet_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13.7                                                                   | 15                                                                                             | Medium to Course Grained Tan Sand with Trace Pebbles                                                                                                                                                                                                                                         | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 15                                                                     | 18.4                                                                                           | No Recovery                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 8.4                                                                    | 18.7                                                                                           | Tan and Orange Medium to Course Sand                                                                                                                                                                                                                                                         | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.7                                                                    | 18.95                                                                                          | Gray and Orange Clay                                                                                                                                                                                                                                                                         | Dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.95                                                                   | 19.15                                                                                          | Gray and Orange Medium to Course Sand                                                                                                                                                                                                                                                        | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9.15                                                                   | 20                                                                                             | Gray and Orange Fine to Medium Sand                                                                                                                                                                                                                                                          | Wet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                        |                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                        |                                                                                                | Set Well at 18'                                                                                                                                                                                                                                                                              | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                        |                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| +                                                                      |                                                                                                |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7 9 1 1 1 8                                                            | 5.0<br>5.8<br>7.0<br>.15<br>9.2<br>0.0<br>0.2<br>2.3<br>3.0<br>3.7<br>15<br>8.4<br>8.7<br>3.95 | 5.0 6.8<br>5.8 7.0<br>7.0 7.15<br>.15 9.2<br>9.2 10<br>0.0 10.2<br>0.2 12.3<br>2.3 13.0<br>3.0 13.7<br>15 18.4<br>8.4 18.7<br>8.7 18.95<br>8.95 19.15<br>0.15 20                                                                                                                             | 5.0 6.8 No Recovery 5.8 7.0 Light Brown to Tan Fine to Medium Sand 7.0 7.15 Dark Brown to Balck Fine to Medium Sand and Trace Gravel 1.15 9.2 Mottled Tan and Brown Fine to Medium Sand 9.2 10 Tan Fine Sand 9.0 10.2 No Recovery 9.2 12.3 Fine Grained Tan sand with Trace Pebbles 9.3 13.0 Medium to Course Grained Tan Sand and Pebbles 9.4 Medium to Course Grained Tan Sand with Trace Pebbles 9.5 Medium to Course Grained Tan Sand with Trace Pebbles 9.6 18.4 No Recovery 9.7 Tan and Orange Medium to Course Sand 9.8 18.9 Gray and Orange Medium to Course Sand 9.9 19.15 Gray and Orange Medium to Course Sand |

| Boring I           | D: PPN         | ЛW-03_       | Logger: MMP Geologist: JGC Date: 05/24/11 Page                                       | of                            |
|--------------------|----------------|--------------|--------------------------------------------------------------------------------------|-------------------------------|
| Site Nan           | ne: <b>Pro</b> | cino Pla     | ting Weather: Sunny, slight breeze, warm, humid                                      |                               |
| <br> DNREC         | ID: <b>DF</b>  | E-0344       | Driller: Vironex                                                                     |                               |
| Shallow<br>Sample: |                |              | Sample Deep PPMW-03D Sample 7.5- Interval 0-5 Time: 09:18 Sample: Interval 9.5 Time: | 09:25                         |
| Core#<br>PID       | Start<br>Depth | End<br>Depth | Description                                                                          | Moisture/<br>H <sub>2</sub> O |
| 1                  | 0              | 2.2          | No Recovery                                                                          |                               |
| PID=0              | 2.2            | 4.25         | Tan, Light Brown, Fine to Medium Sand, Trace Silt                                    | Dry                           |
|                    | 4.25           | 4.6          | Laminate Light to Dark Brown, Fine to Medium Sand, Trace Silt                        | Dry                           |
|                    | 4.6            | 5.0          | Tan, Light Brown, Fine to Medium Sand, Trace Silt                                    | Dry                           |
| 2                  | 5.0            | 7.0          | No Recovery                                                                          |                               |
| PID=0              | 7.0            | 9.5          | Laminated/Varying Orange to Tan, Fine to Medium Sand                                 | Dry                           |
|                    | 9.5            | 10.0         | Moist, Laminated/Varying Orange to Tan, Fine to Medium Sand, Trace Silt              | Dry                           |
| 3                  | 10.0           | 11.1         | No Recovery                                                                          |                               |
| PID=0              | 11.1           | 13.0         | Wet, Laminated/Varying Orange to Tan, Fine to Medium Sand, Trace Silt                | Wet                           |
|                    | 13.0           | 13.4         | Wet, Tan, medium Gray Sand                                                           | Wet                           |
|                    | 13.4           | 15.0         | Wet, Medium to CG Sand, Tan                                                          | Wet                           |
| 4                  | 15.0           | 17.7         | No Recovery                                                                          |                               |
| PID=0              | 17.7           | 18.2         | Wet, Medium to CG Sand, Tan                                                          | Wet                           |
|                    | 18.2           | 18.7         | Tan and Orange, Wet, MG Sand, Large Quartz Pebble @ 18.5                             | Wet                           |
|                    | 18.7           | 18.8         | Gray and Orange MG Sandy Clay                                                        | Moist                         |
|                    | 18.8           | 19.0         | Tan CG Sand                                                                          | Wet                           |
|                    | 19.0           | 19.2         | Orange and Tan MG Sand, Trace Silt                                                   | Wet                           |
|                    | 19.2           | 20.0         | Laminated Tan, Black, Dark Brown FG to MG Sand                                       | Wet                           |
|                    |                |              |                                                                                      | <del>-</del>                  |
|                    |                |              | Wall Saragnad 9 197 has                                                              |                               |
|                    |                |              | Well Screened 8 – 18' bgs                                                            |                               |
|                    |                |              |                                                                                      |                               |
|                    |                |              |                                                                                      |                               |
|                    |                |              |                                                                                      |                               |
|                    |                |              |                                                                                      |                               |

| Boring :          | ID: PPN        | MW-04        | Logger: KAD Geologist: JGC Date: 05/24/11 Page                                                | of                            |
|-------------------|----------------|--------------|-----------------------------------------------------------------------------------------------|-------------------------------|
| Site Na           | ne: <b>Pro</b> | cino Pla     | Weather: Sunny, breeze, warm, humid                                                           |                               |
| DNREC             | DE ID: DE      | E-0344       | Driller: Vironex                                                                              |                               |
| Shallow<br>Sample |                |              | Sample Deep PP-MW04D Sample 8.35-<br>Interval 1.2-3.2 Time: 12:50 Sample: Interval 9.25 Time: | 12:55                         |
| Core#<br>PID      | Start<br>Depth | End<br>Depth | Description                                                                                   | Moisture/<br>H <sub>2</sub> O |
| 1                 | 0              | 2.0          | No Recovery                                                                                   |                               |
| PID=0             | 2.0            | 2.35         | Brown Silty Sand and Gravel                                                                   | Dry                           |
|                   | 2.35           | 3.5          | Mottled Tan and Brown FG/MG Sand                                                              | Dry                           |
|                   | 3.5            | 4.05         | Dark Brown FG/MG Sand                                                                         | Dry                           |
|                   | 4.05           | 5.0          | Mottled Tan and Light Brown FG to MG Sand                                                     | Dry                           |
| 2                 | 5.0            | 6.5          | No Recovery                                                                                   |                               |
| PID=0             | 6.5            | 6.7          | Fallback                                                                                      | Dry                           |
|                   | 6.7            | 8.0          | Light Brown and Orange FG/MG Sand                                                             | Dry                           |
|                   | 8.0            | 10.0         | Tan FG/MG Sand with Random Orange Lamination                                                  | Dry                           |
| 3                 | 10.0           | 11.5         | No Recovery ( water @10')                                                                     |                               |
| PID=0             | 11.5           | 12.0         | Fallback                                                                                      | Damp                          |
|                   | 12.0           | 13.8         | Laminated Tan and Light Brown FG/MG Sand Heavy Mineral Lamination (2) 13.55'                  | Wet                           |
|                   | 13.8           | 14.8         | Tan FG/MG Sand                                                                                | Wet                           |
|                   | 14.8           | 15.0         | Tan MG/CG Sand                                                                                | Wet                           |
| 4                 | 15.0           | 18.35        | No Recovery                                                                                   |                               |
| PID=0             | 18.35          | 19.45        | Tan MG to CG Sand, Trace Pebbles                                                              | Wet                           |
|                   | 19.45          | 19.7         | Tan FG to MG Sand                                                                             | Wet                           |
|                   | 19.7           | 20.0         | Tan and Orange MG/CG Sand                                                                     | Wet                           |
|                   | SHOE<br>@20.0  |              | Orange and Grey Silty Clay                                                                    | Wet                           |
|                   |                |              |                                                                                               |                               |
|                   |                | į į          | Well Set @ 18'                                                                                |                               |
|                   |                |              |                                                                                               |                               |
|                   |                |              |                                                                                               |                               |
|                   |                |              |                                                                                               |                               |

| Boring 1          | ID: PPN         | MW-05        | Logger: KAD Geologist: JGC Date: 05/25/11 Page_                                   | of    |  |  |  |  |  |  |
|-------------------|-----------------|--------------|-----------------------------------------------------------------------------------|-------|--|--|--|--|--|--|
| Site Nar          | ne: <b>Pro</b>  | cino Pla     | Weather: Sunny, light breeze, warm, humid                                         |       |  |  |  |  |  |  |
| I<br>DNREC        | C ID: <b>DI</b> | E-0344       | Driller: Vironex                                                                  |       |  |  |  |  |  |  |
| Shallow<br>Sample |                 |              | Sample 9.0-10 Sample Deep PPMW-05D Interval & Time: 11:00 Sample: 11.4-12.4 Time: | 11:09 |  |  |  |  |  |  |
| Core#<br>PID      | Start<br>Depth  | End<br>Depth | Description                                                                       |       |  |  |  |  |  |  |
| 1                 | 0               | 2.25         | No Recovery                                                                       |       |  |  |  |  |  |  |
| PID=0             | 2.25            | 2.55         | Silty FG/MG Sand/Topsoil                                                          | Dry   |  |  |  |  |  |  |
|                   | 2.55            | 3.3          | Mottled Light and Dark Brown FG/MG Sand                                           | Dry   |  |  |  |  |  |  |
|                   | 3.3             | 3.95         | Tan and Light Brown FG/MG Sand                                                    | Dry   |  |  |  |  |  |  |
|                   | 3.95            | 5.0          | Orangish Brown FG/MG Sand                                                         | Dry   |  |  |  |  |  |  |
| 2                 | 5.0             | 6.5          | No Recovery                                                                       |       |  |  |  |  |  |  |
| PID=0             | 6.5             | 6.9          | Fallback                                                                          |       |  |  |  |  |  |  |
|                   | 6.9             | 8.35         | Mottled Tan and Brown FG/MG Sand                                                  |       |  |  |  |  |  |  |
|                   | 8.35            | 10.0         | Laminated Tan and Brown FG/MG Sand                                                |       |  |  |  |  |  |  |
| 3                 | 10.0            | 10.6         | No Recovery                                                                       |       |  |  |  |  |  |  |
| PID=0             | 10.6            | 11.4         | Fallback (Water @ 12-12.5)                                                        |       |  |  |  |  |  |  |
|                   | 11.4            | 12.55        | Mottled Tan and Brown MG/CG Sand                                                  | Dry   |  |  |  |  |  |  |
|                   | 12.55           | 13.3         | Mottled Tan and Brown MG/CG Sand                                                  | Wet   |  |  |  |  |  |  |
|                   | 13.3            | 15.0         | Tan FG/MG Sand with Heavy Mineral Laminations                                     | Wet   |  |  |  |  |  |  |
| 4                 | 15.0            | 17.5         | No Recovery                                                                       |       |  |  |  |  |  |  |
| PID=0             | 17.5            | 18.15        | Tan FG/MG Sand                                                                    | Wet   |  |  |  |  |  |  |
|                   | 18.15           | 18.5         | Orangish Brown and Tan FG/MG Sand, Trace Pebbles @ Bottom                         | Wet   |  |  |  |  |  |  |
|                   | 18.5            | 20.0         | Tan MG/VCG Sand, Trace Gravel                                                     | Wet   |  |  |  |  |  |  |
|                   |                 |              |                                                                                   |       |  |  |  |  |  |  |
|                   |                 |              |                                                                                   |       |  |  |  |  |  |  |
|                   |                 |              | Well Set @ 19'                                                                    |       |  |  |  |  |  |  |
|                   |                 |              |                                                                                   |       |  |  |  |  |  |  |
|                   |                 |              |                                                                                   |       |  |  |  |  |  |  |
|                   |                 |              |                                                                                   |       |  |  |  |  |  |  |

| Boring I          | D: PPN           | ЛW-06        | Logger: KAD Geologist: JGC Date: 05/25/11 Page                                             | of    |  |  |  |  |  |  |
|-------------------|------------------|--------------|--------------------------------------------------------------------------------------------|-------|--|--|--|--|--|--|
| Site Nar          | ne: <b>Pro</b> e | cino Pla     | ting Weather: Sunny, light breeze, warm, humid                                             |       |  |  |  |  |  |  |
| DNREC             | : ID· <b>DF</b>  | C-0344       | Driller: Vironex                                                                           |       |  |  |  |  |  |  |
| Shallow<br>Sample | ,                | ļ            | Sample Deep PPMW-06D Sample 8.0- Interval 3.25-5.0 Time: 12:25 Sample: Interval 10.0 Time: | 12:31 |  |  |  |  |  |  |
| Core#<br>PID      | Start<br>Depth   | End<br>Depth | Description                                                                                |       |  |  |  |  |  |  |
| 1                 | 0                | 3.1          | No Recovery                                                                                |       |  |  |  |  |  |  |
| PID=0             | 3.1              | 3.25         | Topsoil and Roots                                                                          | Dry   |  |  |  |  |  |  |
|                   | 3.25             | 4.35         | Mottled Tan, Light and Dark Brown FG/MG Sand, Trace Organics                               | Dry   |  |  |  |  |  |  |
|                   | 4.35             | 5.0          | Laminated Tan, Light and Dark FG/MG Sand                                                   | Dry   |  |  |  |  |  |  |
| 2                 | 5.0              | 7.15         | No Recovery                                                                                |       |  |  |  |  |  |  |
| PID=0             | 7.15             | 7.55         | Fallback                                                                                   |       |  |  |  |  |  |  |
|                   | 7.55             | 8.2          | Tan and Orangist Brown FG/MG Sand, Trace Silt                                              | Dry   |  |  |  |  |  |  |
|                   | 8.2              | 9.0          | Nottled Tan and Light Brown FG/MG Sand                                                     |       |  |  |  |  |  |  |
|                   | 9.0              | 10.0         | Laminated Tan and Light Brown FG/MG Sand – Moist @ 10!                                     |       |  |  |  |  |  |  |
| 3                 | 10.0             | 10.75        | No Recovery                                                                                |       |  |  |  |  |  |  |
| PID=0             | 10.75            | 11.8         | Fallback                                                                                   |       |  |  |  |  |  |  |
|                   | 11.8             | 12.7         | Tan FG/MG Sand                                                                             | Wet   |  |  |  |  |  |  |
|                   | 12.7             | 14.2         | Mottled Tan and Brown FG/MG Sand, Trace Gravel                                             | Wet   |  |  |  |  |  |  |
|                   | 14.2             | 14.75        | Tan FG/MG Sand, Trace Silt                                                                 | Wet   |  |  |  |  |  |  |
|                   | 14.75            | 15.0         | Laminated Brown and Tan FG/MG Sand                                                         | Wet   |  |  |  |  |  |  |
| 4                 | 15.0             | 17.85        | No Recovery                                                                                |       |  |  |  |  |  |  |
| PID=0             | 17.85            | 19.65        | Tan MG/CG Sand with Trace Gravel, 2 Gravel lenses                                          | Wet   |  |  |  |  |  |  |
|                   |                  |              | @18.45-18.7 and 19.1 – 19.35                                                               |       |  |  |  |  |  |  |
| 61                | 19.65            | 19.7         | Orange Silty MG Sand                                                                       | Wet   |  |  |  |  |  |  |
|                   | 19.7             | 20.0         | Mottled Grey and Orange Silty Clay with Trace FG Sand                                      | Wet   |  |  |  |  |  |  |
|                   |                  |              |                                                                                            |       |  |  |  |  |  |  |
|                   |                  |              | Well Set @ 18'                                                                             |       |  |  |  |  |  |  |
|                   |                  |              |                                                                                            |       |  |  |  |  |  |  |
|                   |                  |              |                                                                                            |       |  |  |  |  |  |  |
|                   |                  |              |                                                                                            |       |  |  |  |  |  |  |

### APPENDIX C WELL DEVELOPMENT FIELD LOGS

Procino Plating DE-0344

| Site Nam          | ie:      | Procino     | Plating        |                      | :      | Site No.:               | DE - 0344                         |  |  |  |
|-------------------|----------|-------------|----------------|----------------------|--------|-------------------------|-----------------------------------|--|--|--|
| Well No.          | :        | MW-01       |                |                      |        | Sample                  | <del></del>                       |  |  |  |
| <b>.</b>          |          | 5/06/11     |                |                      |        | No.:                    |                                   |  |  |  |
| Date:             |          | 5/26/11     |                |                      |        | Samplers:               | KAS/MMP/KAD                       |  |  |  |
| Weather           | :        | Sunny/I     | Hot/Humic      | <u> </u>             |        | Sample<br>T:            |                                   |  |  |  |
| C                 |          | N. 0        | 1' D           | 1 .                  |        | Time:                   | <del></del> :                     |  |  |  |
| Commen            | ts:      |             | pling – Do     |                      | Well   |                         |                                   |  |  |  |
|                   |          | Start 11    | me @ 120       | -                    |        |                         |                                   |  |  |  |
| WELL OBSERVATIONS |          |             |                |                      |        |                         |                                   |  |  |  |
| Flush Mo          | ount:    |             | Y              | (Y/N)                | L      | ocked:                  | Y (Y/N)                           |  |  |  |
| Stick Up:         |          |             | N              | (Y/N)                | P      | ID:                     | (PPM)                             |  |  |  |
| Well Dia          |          | -           | 1"             | (Inche               | s) N   | APL:                    | (Y/N)//(Inches)                   |  |  |  |
| Conditio          |          | _           | Good/N         |                      |        |                         |                                   |  |  |  |
| Condition         |          | d:          | Good/N         | ew                   |        |                         |                                   |  |  |  |
| Commen            | ts:      |             |                |                      |        |                         |                                   |  |  |  |
|                   |          |             |                |                      |        |                         |                                   |  |  |  |
|                   |          |             | I              | FIELD M              | EASURI | EMENTS                  |                                   |  |  |  |
| A. De             | nth to   | Bottom:     |                |                      |        | 17.87                   | Ft.                               |  |  |  |
|                   | pth to   |             |                |                      |        | 8.58                    | Ft. @ 1200                        |  |  |  |
|                   | -        | ımn Heigh   | t: (A – B)     |                      |        | 9.29                    | Ft.                               |  |  |  |
| 11                |          | ethod Used  |                |                      | -      |                         | _                                 |  |  |  |
|                   | 0        |             | olumes or      |                      | F      | Parameter               |                                   |  |  |  |
|                   | I        | Parameter i | Stabilizatio   | 0 <b>n</b>           | St     | Stabilization           |                                   |  |  |  |
| E. We             | ell Fact | or: 0.041 2 | k (Well Di     | ameter) <sup>2</sup> |        | - (Inches) <sup>2</sup> |                                   |  |  |  |
| F. On             | e Well   | Volume: (   | $(C \times D)$ |                      |        |                         | GPF (from sheet)                  |  |  |  |
|                   |          | nes to be F | 0              |                      |        | 3                       |                                   |  |  |  |
|                   |          | ume to be   | _              |                      |        |                         | Gallons                           |  |  |  |
| I. Act            | tual Vo  | olume Pur   | ged to Sta     | bilization           | :      |                         | Gallons                           |  |  |  |
| Time              | pН       | COND        | TURB           | DO                   | TEMP   | SAL                     | Comments                          |  |  |  |
|                   | Î        | (mS/cm)     | (NTU)          | (mg/l)               | ( 'C)  | (%)                     |                                   |  |  |  |
| 1205              | 6.59     | 0.088       | -              | 13.31                | 18.0   | -                       | Turbidity Meter Malfunction       |  |  |  |
| 1213              | 6.83     | 0.085       | -              | 13.02                | 18.1   | -                       |                                   |  |  |  |
| 1223              | 6.86     | 0.084       | _              | 12.05                | 18.7   | _                       | Turbidity Based on Visual Clarity |  |  |  |
| 1231              | 6.35     | 0.089       | _              | 11.82                | 19.0   | -                       |                                   |  |  |  |
| 1242              | 6.44     | 0.085       | -              | 12.05                | 18.7   |                         |                                   |  |  |  |
|                   |          |             |                |                      |        |                         |                                   |  |  |  |
|                   |          | END OF      | DEVELO         | PMENT                |        |                         |                                   |  |  |  |

APPROXIMATELY 5 GALLONS PURGED

| Site Nan | ne:               | Procino         | Plating       |                      | Site         | No.:             | DE - 0344                                  |  |  |
|----------|-------------------|-----------------|---------------|----------------------|--------------|------------------|--------------------------------------------|--|--|
| Well No. | .:                | MW02            |               |                      | Sam          | ple No.:         | -                                          |  |  |
| Date:    |                   | 5/26/11         |               |                      | Sam          | plers:           | KAD/KAS/MMP                                |  |  |
| Weather  | :                 | Sunny/l         | Hot/Humic     | i                    | Sam          | ple              |                                            |  |  |
|          |                   |                 |               |                      | Tim          | e:               | =                                          |  |  |
| Commer   | nts:              | No San          | nple – Dev    | eloping Wo           | ell, Start a | nt 1115          |                                            |  |  |
|          |                   |                 |               |                      |              |                  |                                            |  |  |
|          |                   |                 | V             | VELL OB              | SERVATI      | ONS              |                                            |  |  |
| Flush M  |                   | Y               | (Y/N)         | Loc                  | eked:        | Y (Y/N)          |                                            |  |  |
| Stick Up | Stick Up: N (Y/N) |                 |               |                      |              |                  | ——————————————————————————————————————     |  |  |
| Well Dia | meter:            |                 | 1"            | [Inches              | ) NA         | PL:              | (Y/N)//(Inches)                            |  |  |
| Conditio | n of Ca           | asing:          | New/Go        | ood                  |              |                  |                                            |  |  |
| Conditio | n of Pa           | ıd:             | New/Go        | ood                  |              |                  |                                            |  |  |
| Commen   | its:              |                 |               |                      |              |                  |                                            |  |  |
|          | _                 |                 |               |                      |              |                  |                                            |  |  |
|          |                   |                 | J             | FIELD ME             | EASUREM      | <b>MENTS</b>     |                                            |  |  |
| A. De    | epth to           | Bottom:         |               |                      | 18.45        |                  | Ft.                                        |  |  |
|          | epth to           |                 |               |                      |              | 8.30             | — Ft. @ 1109 am                            |  |  |
| C. $H_2$ | O Colu            | ımn Heigh       | t: (A – B)    |                      | 1            | 0.15             | Ft.                                        |  |  |
| D. Pu    | rge Me            | ethod Used      | l <b>:</b>    |                      |              |                  |                                            |  |  |
|          |                   | 3 Well V        | olumes or     |                      |              | ameter           |                                            |  |  |
|          |                   | Parameter i     | Stabilizati   | on                   | Stab         | ilization        | _                                          |  |  |
| E. W     | ell Fact          | tor: 0.041 x    | k (Well Di    | ameter) <sup>2</sup> |              | -                | (Inches) <sup>2</sup>                      |  |  |
|          |                   | Volume: (       | ` '           |                      |              | GPF (from sheet) |                                            |  |  |
|          |                   | mes to be F     | _             |                      |              | 3                |                                            |  |  |
|          |                   | ume to be       | •             | •                    |              | Gallons          |                                            |  |  |
| I. Ac    | etual Vo          | olume Pur       | ged to Sta    | bilization:          |              | _                | Gallons                                    |  |  |
| Time     | pН                | COND<br>(mS/cm) | TURB<br>(NTU) | DO (mg/l)            | TEMP<br>('C) | SAL (%)          | Comments                                   |  |  |
| 1115     | 5.55              | 0.229           | -             | 12.01                | 18.5         | _                | Turbidity Meter Malfunction                |  |  |
| 1125     | 5.61              | 0.164           | _             | 11.52                | 18.5         | -                |                                            |  |  |
| 1130     | 5.65              | 0.158           | _             | 11.70                | 18.8         | -                | Turbidity Based on Visual<br>Clear/Clarity |  |  |
| 1135     | 5.61              | 0.158           | -             | 11.84                | 18.9         | -                |                                            |  |  |
| 1140     | 5.98              | 0.167           | -             | 11.80                | 19.2         | -                |                                            |  |  |
|          |                   |                 |               |                      |              |                  |                                            |  |  |
|          |                   | END OF          | DEVELO        | OPMENT               |              |                  |                                            |  |  |
|          |                   |                 |               |                      |              |                  |                                            |  |  |
|          | APPRO             | DXIMATE         | LY 4.5 GA     | ALLONS P             | URGED        |                  |                                            |  |  |
|          |                   |                 |               |                      |              |                  |                                            |  |  |
|          |                   |                 |               |                      |              |                  |                                            |  |  |

| Site Naı             | me:         |             | o Plating       |                        | Si            | te No.:     | DE -0344                      |  |  |
|----------------------|-------------|-------------|-----------------|------------------------|---------------|-------------|-------------------------------|--|--|
| Well No              | ). <b>:</b> | MW-0        |                 |                        | Sa            | ample No.:  | =                             |  |  |
| Date:                |             | 5/26/1      |                 |                        | Sa            | amplers:    | KAD/SAS/MMP                   |  |  |
| Weathe               | r:          | Sunny/      | Sunny/Hot/Humid |                        |               | ımple       |                               |  |  |
|                      |             |             |                 |                        | <b>T</b> i    | ime:        | =                             |  |  |
| Comme                | nts:        | Start T     | ime: 1026       | am                     |               |             |                               |  |  |
|                      |             | No Sar      | nple – De       | veloping `             | Well          |             |                               |  |  |
|                      |             |             | •               | WELL O                 | BSERVA        | TIONS       |                               |  |  |
| Flush M              | lount:      |             | Y               | ) 1                    | ocked:        | Y (Y/N)     |                               |  |  |
| Stick U <sub>1</sub> |             | :==         | N               | $-\frac{(Y/N)}{(Y/N)}$ | ,             | ID:         | (PPM)                         |  |  |
| Well Dia             | •           |             | 1"              | (Inch                  | ,             | IAPL:       | - (Y/N)//(Inches)             |  |  |
| Condition            |             |             | New/G           |                        | .03)          | AIL.        | (1714)//(Illelies)            |  |  |
| Condition            |             | 0           | New/G           |                        |               |             |                               |  |  |
| Comme                |             | au.         | 1100/0          | Jood                   |               |             | <u> </u>                      |  |  |
| Comme                | 1143.       |             |                 |                        |               |             |                               |  |  |
|                      |             |             |                 | FIELD N                | <b>IEASUR</b> | EMENTS      |                               |  |  |
| l'                   |             |             |                 |                        |               |             | _                             |  |  |
|                      | _           | Bottom:     |                 |                        |               | 17.8 Ft.    |                               |  |  |
|                      | epth to     |             |                 |                        |               | 9.5         | Ft. @ 1020 am                 |  |  |
|                      |             | lumn Heigl  | •               | )                      |               | 8.3         | Ft.                           |  |  |
| D. P                 | urge M      | lethod Use  |                 |                        | _             |             |                               |  |  |
|                      |             |             | olumes or       |                        |               | Parameter   |                               |  |  |
|                      |             | Parameter   |                 |                        |               | abilization |                               |  |  |
|                      |             | ctor: 0.041 |                 | nameter)               |               |             | (Inches) <sup>2</sup>         |  |  |
|                      |             | ll Volume:  | ` '             |                        | _             |             | GPF (from sheet)              |  |  |
|                      |             | imes to be  | _               | (F , C)                |               | 3           |                               |  |  |
|                      |             | lume to be  | 0               | ` ,                    |               |             | Gallons                       |  |  |
| I. A                 | ctuai v     | olume Pur   | rgea to St      | abilizatio             | on:           |             | Gallons                       |  |  |
| Time                 | pН          | COND        | TURB            | DO                     | TEMP          | SAL         | Comments                      |  |  |
|                      |             | (mS/cm)     | (NTU)           | (mg/l)                 | ('C)          | (%)         |                               |  |  |
| 1027                 | 8.2         | 0.350       | -               | 11.5                   | 20.6          | 0.01        | - Turbidity Meter Malfunction |  |  |
| 1037                 | 6.9         | 0.164       | _               | 11.9                   | 19.5          | 0.0         |                               |  |  |
| 1047                 | 6.0         | 0.150       | -               | 11.45                  | 19.1          | 0.0         | - Turbidity Based on Visual   |  |  |
| 1057                 | 5.6         | 0.145       |                 | 10.94                  | 19.5          | -           | Clear /Clarity                |  |  |
|                      |             | ENDO        | F DEVEL         | ODMENIT                |               |             |                               |  |  |
|                      |             | ט עונט (    |                 |                        |               |             |                               |  |  |
|                      | APPR        | OXIMATE     | LY 4.5 G        | ALLONS                 | PURGEI        |             |                               |  |  |
|                      |             |             |                 |                        |               |             |                               |  |  |
|                      |             |             |                 |                        |               |             |                               |  |  |
|                      |             |             |                 |                        |               |             |                               |  |  |
|                      |             |             | •               |                        |               |             |                               |  |  |

| Site N<br>Well I<br>Date:<br>Weatl                                                     | No.:                                              | :                                                      |                                                                                                                  | Hot/Humic                                                                     |                             | Sar<br>Sar<br>Sar<br>Tin | e No.:<br>nple No.:<br>nplers:<br>nple<br>ne:                  | DE -0344 SIRS                                                             |
|----------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|
|                                                                                        |                                                   |                                                        |                                                                                                                  | V                                                                             | VELL OB                     | SERVAT                   | IONS                                                           |                                                                           |
| Flush Mount: Stick Up: Well Diameter: Condition of Casing: Condition of Pad: Comments: |                                                   |                                                        |                                                                                                                  | Y N 1" Good/N Good/N                                                          |                             | Loo<br>PII<br>S) NA      | Y (Y/N)<br>- (PPM)<br>- (Y/N)//(Inches)                        |                                                                           |
|                                                                                        |                                                   |                                                        |                                                                                                                  | F                                                                             | FIELD M                     | EASURE                   | MENTS                                                          |                                                                           |
| B. C. D. E. F. G. H.                                                                   | Del<br>H <sub>2</sub> O<br>Pui<br>We<br>On<br>No. | oth to Dodu<br>Colurge Me<br>Ell Fact<br>Well<br>Volur | Bottom: H <sub>2</sub> O: mn Height thod Used 3 Well Vo arameter S or: 0.041 x Volume: ( nes to be P ume to be b | :<br>olumes or<br>Stabilizatio<br>(Well Dia<br>C x D)<br>urged:<br>Purged: (1 | ameter) <sup>2</sup> F x G) | Par<br>Stab              | 17.79<br>11.56<br>6.23<br>rameter<br>bilization<br>-<br>-<br>3 | Ft. Ft. 1400 Ft.  (Inches) <sup>2</sup> GPF (from sheet)  Gallons Gallons |
| Tim                                                                                    | e                                                 | pН                                                     | COND                                                                                                             | TURB                                                                          | DO                          | TEMP                     | SAL                                                            | Comments                                                                  |
| 1405                                                                                   | 5                                                 | 6.67                                                   | (mS/cm)<br>0.277                                                                                                 | (NTU)                                                                         | (mg/ <i>l</i> )<br>13.26    | (°C)<br>19.6             | (%)                                                            | Turbidity Meter                                                           |
| 1410                                                                                   |                                                   | 6.90                                                   | 0.217                                                                                                            | -                                                                             | 12.38                       | 19.4                     | 0                                                              | Malfunction                                                               |
| 1415                                                                                   | _                                                 | 6.70                                                   | 0.208                                                                                                            | _                                                                             | 12.33                       | 19.3                     | 0                                                              | Turbidity Based                                                           |
| 1420                                                                                   | _                                                 | 6.56                                                   | 0.214                                                                                                            | -                                                                             | 11.89                       | 19.0                     | 0                                                              | On Clarity                                                                |
| 1430                                                                                   | 0                                                 | 6.76                                                   | 0.218                                                                                                            | -                                                                             | 12.06                       | 19.2                     | 0                                                              |                                                                           |
|                                                                                        |                                                   |                                                        | END OF                                                                                                           | DEVEL                                                                         | OPMENT                      | _                        |                                                                |                                                                           |
|                                                                                        |                                                   | APPI                                                   | ROXIMAT                                                                                                          | E 3.5 GAI                                                                     | LLONS PI                    | URGED                    |                                                                |                                                                           |
|                                                                                        |                                                   |                                                        |                                                                                                                  |                                                                               |                             |                          |                                                                |                                                                           |
|                                                                                        |                                                   |                                                        |                                                                                                                  |                                                                               |                             |                          |                                                                |                                                                           |

Procino Plating Site Name: Site No.: **DE-0344** Well No.: MW-05 Sample No.: Date: 5/26/11 Samplers: **SIRS** Sunny/Hot/Humid Sample Weather: Time: **Comments:** No Sampling – Developing Well Start @ 1332 WELL OBSERVATIONS Flush Mount: Y (Y/N)Locked: (Y/N)Ν (Y/N)Stick Up: PID: (PPM) Well Diameter: 1" (Inches) NAPL: (Y/N)//(Inches)**Condition of Casing:** Good/New Good/New Condition of Pad: **Comments:** FIELD MEASUREMENTS Depth to Bottom: 18.34 A. Ft. В. Depth to H<sub>2</sub>O: 16.18 Ft. (2) 1332 7.16 C. H<sub>2</sub>O Column Height: (A – B) Ft. D. Purge Method Used: 3 Well Volumes or Parameter Parameter Stabilization Stabilization Well Factor: 0.041 x (Well Diameter)<sup>2</sup> (Inches)<sup>2</sup> E. GPF (from sheet) F. One Well Volume: (C x D) G. No. Volumes to be Purged: 3 **Total Volume to be Purged:** (F x G) Gallons H. \_ I. Actual Volume Purged to Stabilization: Gallons

| Time | pН    | COND     | TURB   | DO              | TEMP | SAL | Comments                                |
|------|-------|----------|--------|-----------------|------|-----|-----------------------------------------|
|      |       | (mS/cm)  | (NTU)  | (mg/ <i>l</i> ) | ('C) | (%) |                                         |
| 1335 | 6.26  | 0.284    | _      | 13.34           | 18.8 | _   | Turbidity Meter Malfunction             |
| 1340 | 6.43  | 0.249    | _      | 12.68           | 18.8 | _   |                                         |
| 1345 | 6.66  | 0.236    | -      | 12.48           | 18.7 | _   | Turbidity Based on Visual Clear/Clarity |
| 1350 | 6.64  | 0.229    | -      | 12.57           | 19.0 | _   |                                         |
| 1355 | 6.69  | 0.215    |        | 12.52           | 19.0 |     |                                         |
|      |       |          |        |                 |      |     |                                         |
|      |       | END OF   | DEVELO | PMENT           |      |     |                                         |
|      |       |          |        |                 |      |     |                                         |
|      | APPRO | OXIMATE: |        |                 |      |     |                                         |
|      |       |          |        |                 |      |     |                                         |

| Site Nan | ne:      | Procino              | Plating     |                      | Si       | ite No.:      | <u>DE - 0344</u>                        |  |  |
|----------|----------|----------------------|-------------|----------------------|----------|---------------|-----------------------------------------|--|--|
| Well No. | .:       | MW-06                | )           |                      | Sa       | ample No.:    | =                                       |  |  |
| Date:    |          | 5/26/11              |             |                      | Sa       | amplers:      | SIRS                                    |  |  |
| Weather  | ::       | Sunny/l              | Hot/Humi    | d                    | Sa       | ample         |                                         |  |  |
|          |          | -                    |             |                      | T        | ime:          | <del>-</del> :                          |  |  |
| Commer   | nts:     | No Sam               | pling – D   | eveloping            | Well     |               |                                         |  |  |
|          |          | Start @              | 1250        |                      |          |               |                                         |  |  |
|          |          |                      | V           | VELL O               | BSERVAT  | IONS          |                                         |  |  |
| Flush M  | ount:    |                      | Y           | (Y/N)                | Lo       | cked:         | Y (Y/N)                                 |  |  |
| Stick Up | ):       |                      | N           | (Y/N)                | PI       | D:            | (PPM)                                   |  |  |
| Well Dia | meter:   |                      | 1"          | (Inche               | s) NA    | APL:          | (Y/N)//(Inches)                         |  |  |
| Conditio | n of Ca  | asing:               | Good/N      | lew                  |          |               |                                         |  |  |
| Conditio | n of Pa  | ıd:                  | Good/N      | ew                   |          |               |                                         |  |  |
| Commen   | its:     |                      |             |                      |          |               |                                         |  |  |
|          |          |                      |             |                      |          |               |                                         |  |  |
|          |          |                      | J           | FIELD M              | [EASURE] | MENTS         |                                         |  |  |
| A. De    | epth to  | Bottom:              |             |                      |          | 17.74         | Ft.                                     |  |  |
| B. De    | epth to  | H <sub>2</sub> O:    |             |                      |          | 10.43         | Ft. @ 1250                              |  |  |
| C. $H_2$ | O Colu   | ımn Heigh            | t: (A – B)  |                      |          | 7.31          | Ft.                                     |  |  |
|          |          | ethod Used           | , ,         |                      |          |               | =                                       |  |  |
|          | Ü        |                      | olumes or   |                      | Pa       | rameter       |                                         |  |  |
|          | Î        | Parameter L          | Stabilizati | on                   | Stab     | Stabilization |                                         |  |  |
| E. W     | ell Fact | t <b>or:</b> 0.041 x | (Well Di    | ameter) <sup>2</sup> |          |               | (Inches) <sup>2</sup>                   |  |  |
| F. Or    | 1e Well  | Volume: (            | C x D)      |                      |          | -             | GPF (from sheet)                        |  |  |
| G. No    | . Volur  | nes to be P          | urged:      |                      | ,        | 3             |                                         |  |  |
| H. To    | tal Vol  | ume to be            | Purged: (   | F x G)               |          | _             | Gallons                                 |  |  |
| I. Ac    | tual Vo  | olume Purg           | ged to Sta  | bilization           | ı:       | _             | Gallons                                 |  |  |
|          |          |                      |             | 4                    |          | 1911          |                                         |  |  |
| Time     | pН       | COND                 | TURB        | DO                   | TEMP     | SAL           | Comments                                |  |  |
| 1055     | 6.50     | (mS/cm)              | (NTU)       | (mg/l)               | ('C)     | (%)           | T. I. I. M. M. M. I.                    |  |  |
| 1255     | 6.58     | 0.292                |             | 13.92                | 19.9     |               | Turbidity Meter Malfunction             |  |  |
| 1303     | 6.80     | 0.187                | _           | 13.83                | 18.7     | -             | Trushidian Danida Via I                 |  |  |
| 1308     | 6.61     | 0.202                | _           | 12.90                | 18.1     |               | Turbidity Based on Visual Clear/Clarity |  |  |
| 1313     | 6.13     | 0.184                | -           | 12.90                | 17.9     | -             |                                         |  |  |
| 1318     | 6.05     | 0.177                | -           | 12.03                | 17.9     | -             |                                         |  |  |
| 1323     | 6.00     | 0.186                | -           | 12.11                | 18.1     | -             |                                         |  |  |
|          |          |                      |             |                      |          |               |                                         |  |  |
|          |          | END OF               | DEVELO      | OPMENT               |          |               |                                         |  |  |
|          |          |                      |             |                      |          |               |                                         |  |  |
|          | APPR     | OXIMATE              | LY 4 GA     | LLONS P              | URGED    | NV            | ei                                      |  |  |

### APPENDIX D GROUNDWATER SAMPLING FIELD LOGS

Procino Plating DE-0344

| Site Nan     | ne:     | Procin                   | o Plating  |            | Site No     | .:                   | DE - 0344<br>PPMW09<br>LGJ & KAS                    |  |  |
|--------------|---------|--------------------------|------------|------------|-------------|----------------------|-----------------------------------------------------|--|--|
| Well No      | .:      | MW-0                     | 1          |            | Sample      | No.:                 |                                                     |  |  |
| Date:        |         | 6/16/1                   | 1          |            | _ Sample    | ers:                 |                                                     |  |  |
| Weather      | r:      | Sunny                    | - cloudy   | cloudy     |             | 2                    | 1330                                                |  |  |
| Commer       | nts:    |                          |            |            |             |                      |                                                     |  |  |
|              |         |                          | V          | VELL O     | BSERVATI    | ONS                  |                                                     |  |  |
| Flush Mount: |         |                          | Y          | (Y/N)      |             | ked:                 | Y (Y/N)                                             |  |  |
| Stick Up     |         |                          |            | - $(Y/N)$  | PID         |                      | (PPM)                                               |  |  |
| Well Dia     |         |                          | 1"         | (Inche     | s) NA       | PL:                  | No (Y/N)//(Inches                                   |  |  |
| Conditio     |         | 0                        | Good       |            |             |                      |                                                     |  |  |
| Conditio     |         | id:                      | Good       |            | 1. 14       |                      |                                                     |  |  |
| Commer       | nts:    |                          | water v    | ery cloud  | y white pur | rging                |                                                     |  |  |
|              |         |                          | ]          | FIELD M    | EASUREM     | MENTS                |                                                     |  |  |
| A. De        | epth to | Bottom:                  |            |            |             |                      | Ft.                                                 |  |  |
|              | epth to |                          |            |            |             | 8.80                 | Ft.                                                 |  |  |
|              |         | ımn Heigh                | ` ,        |            |             | _                    | Ft.                                                 |  |  |
| D. Pu        | ırge Me | ethod Used               |            |            | _           |                      |                                                     |  |  |
|              |         |                          | olumes or  |            |             | Parameter            |                                                     |  |  |
| E 337        |         | Parameter I              |            | 2          | Stab        | Stabilization (L. 1) |                                                     |  |  |
|              |         | tor: 0.041 x             | •          | ameter)    |             |                      | $\frac{\text{(Inches)}^2}{\text{CRF (from about)}}$ |  |  |
|              |         | Volume: (                |            |            |             | 2                    | GPF (from sheet)                                    |  |  |
|              |         | mes to be P<br>ume to be | _          | Ev C)      |             | 3                    | <br>Gallons                                         |  |  |
|              |         | olume Purg               | •          |            |             | 3                    | — Gallons Gallons                                   |  |  |
| 1. At        | luai V  | Junie i ui ş             | ged to Sta | DillZation | 1           | <i>J</i>             |                                                     |  |  |
| Time         | pН      | COND                     | TURB       | DO         | TEMP        | SAL                  | Comments                                            |  |  |
|              | 1       | (mS/cm)                  | (NTU)      | (mg/l)     | (¹C)        | _(%)                 |                                                     |  |  |
| 1300         | 6.72    | 0.078                    | _          | 16.25      | 18.1        | _                    |                                                     |  |  |
| 1305         | 6.36    | 0.065                    | _          | 15.58      | 17.4        | -                    |                                                     |  |  |
| 1310         | 6.33    | 0.077                    | _          | 15.06      | 17.1        |                      |                                                     |  |  |
| 1315         | 6.28    | 0.082                    | -          | 14.16      | 17.1        |                      | _                                                   |  |  |
| 1320         | 6.18    | 0.083                    | _          | 13.92      | 16.6        |                      |                                                     |  |  |
| 1325         | 6.05    | 0.085                    | _          | 13.48      | 16.7        | _                    | 1                                                   |  |  |
| 1523         | 6.15    | 0.091                    | _          | 14.41      | 18.5        |                      |                                                     |  |  |
|              |         |                          |            |            |             |                      |                                                     |  |  |
|              |         |                          |            |            |             |                      |                                                     |  |  |
|              |         |                          |            |            |             |                      |                                                     |  |  |

| Site Name:                 | Procino I  | Plating       |          | Site No.:   | <b>DE</b> -0344 |                 |  |
|----------------------------|------------|---------------|----------|-------------|-----------------|-----------------|--|
| Well No .:                 | MW-02      |               |          | Sample No.: | PPMW02          |                 |  |
| <b>Date:</b> 6/16/1        |            |               |          | Samplers:   | KAS & JGC       |                 |  |
| Weather:                   | Overcast   | reast - Sunny |          | Sample      |                 |                 |  |
|                            |            |               |          | Time:       | 1215            |                 |  |
| <b>Comments:</b>           |            |               |          | ·<br>       |                 |                 |  |
|                            |            |               | -        |             |                 |                 |  |
|                            |            | W             | ELL OBS  | ERVATIONS   |                 |                 |  |
| Flush Mount:               |            | Y             | (Y/N)    | Locked:     | Y               | (Y/N)           |  |
| Stick Up:                  |            | N             | (Y/N)    | PID:        | 曼               | (PPM)           |  |
| Well Diameter:             |            | 1"            | (Inches) | NAPL:       | N               | (Y/N)//(Inches) |  |
| Condition of Casin         | ng:        | Good          |          |             |                 |                 |  |
| Condition of Pad:          |            | Good          |          |             |                 |                 |  |
| <b>Comments:</b>           | : <u>-</u> |               |          |             |                 |                 |  |
|                            |            |               |          |             |                 |                 |  |
|                            |            | Fì            | ELD ME   | ASUREMENTS  |                 |                 |  |
| A. Depth to Bo             | ttom:      |               |          | _           | Ft.             |                 |  |
| B. Depth to H <sub>2</sub> |            |               |          | 8.52        | — Ft.           |                 |  |
| C. H <sub>2</sub> O Colum  |            | (A – B)       |          | - 0.52      | Ft.             |                 |  |
| D. Purge Meth              | _          | ()            |          |             |                 |                 |  |

Parameter

Stabilization

3

2.5 - 3

(Inches)<sup>2</sup>

Gallons

Gallons

GPF (from sheet)

| Time | ρН   | COND    | TURB  | DO              | TEMP | SAL | Comments |
|------|------|---------|-------|-----------------|------|-----|----------|
|      | _    | (mS/cm) | (NTU) | (mg/ <i>l</i> ) | ('C) | (%) |          |
| 1143 | 6.44 | 0.178   | _     | 12.71           | 19.3 | -   |          |
| 1150 | 6.55 | 0.168   | _     | 12.35           | 19.6 | -   |          |
| 1155 | 6.48 | 0.169   | -     | 12.31           | 18.1 | -   |          |
| 1200 | 6.49 | 0.169   | _     | 12.33           | 18.6 | _   |          |
| 1205 | 6.51 | 0.174   | -     | 12.66           | 18.9 | -   |          |
|      |      |         |       |                 |      |     |          |
| 1240 | 6.53 | 0.169   | _     | 14.03           | 19.5 | -   |          |
|      |      |         |       |                 |      |     |          |
|      |      |         |       |                 |      |     |          |
|      |      |         |       |                 |      |     |          |

3 Well Volumes or

Parameter Stabilization

Well Factor: 0.041 x (Well Diameter)<sup>2</sup>

Total Volume to be Purged: (F x G)

Actual Volume Purged to Stabilization:

One Well Volume: (C x D)

No. Volumes to be Purged:

E.

F.

G.

H.

I.

Procino Plating Site Name: Site No.: DE -0344 MW-03 PPMW03 Well No.: Sample No.: 06/16/11 Samplers: KAS & JGC Date: Overcast 75° Sample Weather: Time: 1015 **Comments:** WELL OBSERVATIONS (Y/N)Flush Mount: Y Locked: (Y/N)Ν (Y/N)PID: (PPM) Stick Up: 1" (Y/N)//(Inches) Well Diameter: (Inches) NAPL: Good **Condition of Casing: Condition of Pad:** Good MS/MSD Collected

|    | FIELD MEASUREMENTS                                       |               |                       |  |  |  |  |  |  |
|----|----------------------------------------------------------|---------------|-----------------------|--|--|--|--|--|--|
| A. | Depth to Bottom:                                         | -             | Ft.                   |  |  |  |  |  |  |
| В. | Depth to H <sub>2</sub> O:                               | 9.78          | Ft.                   |  |  |  |  |  |  |
| C. | H <sub>2</sub> O Column Height: (A – B)                  | _             | Ft.                   |  |  |  |  |  |  |
| D. | Purge Method Used:                                       |               |                       |  |  |  |  |  |  |
|    | 3 Well Volumes or                                        | Parameter     |                       |  |  |  |  |  |  |
|    | Parameter Stabilization                                  | Stabilization | _                     |  |  |  |  |  |  |
| E. | <b>Well Factor:</b> 0.041 x (Well Diameter) <sup>2</sup> | _             | (Inches) <sup>2</sup> |  |  |  |  |  |  |
| F. | One Well Volume: (C x D)                                 |               | GPF (from sheet)      |  |  |  |  |  |  |
| G. | No. Volumes to be Purged:                                | 3             | _                     |  |  |  |  |  |  |
| H. | Total Volume to be Purged: (F x G)                       | _             | Gallons               |  |  |  |  |  |  |
| I. | Actual Volume Purged to Stabilization:                   | 3             | Gallons               |  |  |  |  |  |  |

| Time | pН   | COND    | TURB  | DO              | TEMP | SAL | Comments                                                                  |
|------|------|---------|-------|-----------------|------|-----|---------------------------------------------------------------------------|
|      |      | (mS/cm) | (NTU) | (mg/ <i>l</i> ) | ('C) | (%) |                                                                           |
| 0945 | 6.03 | 0.141   | _     | 9.46            | 18.5 |     |                                                                           |
| 0950 | 5.87 | 0.138   |       | 8.85            | 17.8 | _   |                                                                           |
| 0955 | 5.80 | 0.137   | _     | 8.37            | 17.6 | _   |                                                                           |
| 1000 | 5.71 | 0.137   | _     | 8.41            | 17.4 | _   |                                                                           |
| 1005 | 5.59 | 0.137   | _     | 8.35            | 17.4 | _   |                                                                           |
| 1010 | 5.53 | 0.137   | -     | 8.15            | 17.4 | _   |                                                                           |
| 1125 | 5.89 | 0.137   | -     | 11.14           | 19.5 | _   | Purge rate was increased during sampling of PEST/PCB note for elevated DO |

**Comments:** 

| Site Name:          | Procino Pla | ting    | Site No.:         | PPMW04<br>KAS & JGC |                 |  |
|---------------------|-------------|---------|-------------------|---------------------|-----------------|--|
| Well No.:           | MW-04       |         | Sample No.:       |                     |                 |  |
| Date:               | 6/16/11     |         | Samplers:         |                     |                 |  |
| Weather:            | Overcast    | 75°     | Sample<br>_ Time: | 0845                |                 |  |
| Comments:           |             |         | =                 | 0013                |                 |  |
|                     |             | WELL OB | SERVATIONS        |                     |                 |  |
| Flush Mount:        | Y           | (Y/N)   | Locked:           | Y                   | (Y/N)           |  |
| Stick Up:           | N           | (Y/N)   | PID:              |                     | (PPM)           |  |
| Well Diameter:      | 1"          | (Inches | s) NAPL:          |                     | (Y/N)//(Inches) |  |
| Condition of Casing | g: Go       | ood     |                   |                     |                 |  |
| Condition of Pad:   | Go          | ood     |                   |                     |                 |  |
| Comments:           |             |         |                   |                     |                 |  |

|           | FIELD MEA                                         | ASUREMENTS    |                       |
|-----------|---------------------------------------------------|---------------|-----------------------|
| <b>A.</b> | Depth to Bottom:                                  | _             | Ft.                   |
| В.        | Depth to H <sub>2</sub> O:                        | 11.79         | Ft.                   |
| C.        | H <sub>2</sub> O Column Height: (A – B)           |               | Ft.                   |
| D.        | Purge Method Used:                                |               | _                     |
|           | 3 Well Volumes or                                 | Parameter     |                       |
|           | Parameter Stabilization                           | Stabilization | _:                    |
| E.        | Well Factor: 0.041 x (Well Diameter) <sup>2</sup> |               | (Inches) <sup>2</sup> |
| F.        | One Well Volume: (C x D)                          | _             | GPF (from sheet)      |
| G.        | No. Volumes to be Purged:                         | 3             |                       |
| H.        | <b>Total Volume to be Purged:</b> (F x G)         |               | Gallons               |
| I.        | Actual Volume Purged to Stabilization:            | 2.5           | Gallons               |

| Time | pН   | COND    | TURB  | DO     | TEMP | SAL | Comments |
|------|------|---------|-------|--------|------|-----|----------|
|      |      | (mS/cm) | (NTU) | (mg/l) | (¹C) | (%) |          |
| 0815 | 6.42 | 1.11    | _     | 9.18   | 19.8 | _   |          |
| 0820 | 6.51 | 0.268   | _     | 9.41   | 18.7 | _   |          |
| 0825 | 6.25 | 0.238   | _     | 9.35   | 18.4 | _   |          |
| 0830 | 6.22 | 0.232   | _     | 9.13   | 18.3 | _   |          |
| 0835 | 6.27 | 0.230   | _     | 9.02   | 18.2 | _   |          |
| 0840 | 6.10 | 0.232   |       | 8.75   | 18.2 | _   |          |
|      | 6.23 | 0.231   | _     | 9.62   | 18.9 | -   |          |
|      |      |         |       |        |      |     |          |
|      |      |         |       |        |      |     |          |
|      |      |         |       |        |      |     |          |
| -    |      |         |       |        |      |     |          |
|      |      |         |       |        |      |     |          |

## GROUNDWATER SAMPLING FIELD DATA SHEET

| Site Nan       | ie:        | Procing                      | o Plating     |                           | Site No          | .:       | DE -0344              |
|----------------|------------|------------------------------|---------------|---------------------------|------------------|----------|-----------------------|
| Well No.       | . <b>:</b> | MW05                         |               |                           | Sample           | No.:     | PPMW05                |
| Date:          |            | 6/17/11                      |               |                           | Sample           | ers:     | KAS & JGC             |
| Weather Commer |            | Sunny                        | & Warm        |                           | Sample<br>Time:  | :-       | 1055                  |
|                |            |                              | V             | VELL OB                   | SERVATI          | ONS      |                       |
| Flush M        | ount:      |                              | Y             | (Y/N)                     | Loc              | ked:     | Y (Y/N)               |
| Stick Up       | :          |                              | N             | (Y/N)                     | PID              |          | (PPM)                 |
| Well Dia       |            |                              | 1"            | (Inches                   | ) NA             | PL:      | N (Y/N)//(Inches      |
| Conditio       | n of Ca    | sing:                        | Good          |                           |                  |          |                       |
| Conditio       | n of Pa    | d:                           | Good          |                           |                  |          |                       |
| Commen         | its:       |                              |               |                           |                  |          |                       |
|                | epth to l  | Bottom:<br>H <sub>2</sub> O: |               |                           | <u> </u>         | 1.40     | — Ft.<br>Ft.          |
|                | •          | mn Heigh                     | t: (A – B)    |                           |                  | _        |                       |
|                |            | thod Used                    | ` ,           |                           |                  |          | _                     |
|                | 0          |                              | olumes or     |                           | Par              | ameter   |                       |
|                | F          | Parameter l                  | Stabilizati   | on                        | Stab             | lization |                       |
|                |            | or: 0.041 x                  | •             | ameter) <sup>2</sup>      |                  | -        | (Inches) <sup>2</sup> |
|                |            | Volume: (                    |               |                           |                  | _        | GPF (from sheet)      |
|                |            | nes to be P                  | _             | <b>r</b> (1)              |                  | 3        |                       |
|                |            | ume to be                    | •             | ,                         |                  | 3        | Gallons<br>Gallons    |
| I. Ac          | tuai vo    | olume Purg                   | ged to Sta    | Dilization                |                  | 3        | Gallolis              |
| Time           | pН         | COND<br>(mS/cm)              | TURB<br>(NTU) | <b>DO</b> (mg/ <i>l</i> ) | <b>TEMP</b> ('C) | SAL (%)  | Comments              |
| 1025           | 6.48       | 0.199                        |               | 11.52                     | 19.1             |          |                       |
| 1030           | 6.54       | 0.195                        |               | 11.17                     | 17.8             | _        |                       |
| 1035           | 6.55       | 0.195                        | _             | 11.10                     | 17.6             | _        |                       |
| 1040           | 6.65       | 0.199                        | _             | 10.78                     | 17.5             | _        |                       |
| 1045           | 6.65       | 0.199                        | -             | 10.63                     | 17.8             | _        |                       |

19.1

12.56

1050

6.82

0.198

## GROUNDWATER SAMPLING FIELD DATA SHEET

| Site      | Nam                | e:      | Procin               | o Plating  |            | Site         | No.:       | <b>DE</b> -0344       |                   |  |  |  |  |  |  |
|-----------|--------------------|---------|----------------------|------------|------------|--------------|------------|-----------------------|-------------------|--|--|--|--|--|--|
| Well      | No.:               | :       | MW-0                 | 6          |            | Sam          | ple No.:   | PPMW06                |                   |  |  |  |  |  |  |
| Date      | :                  |         | 6/17/1               | 1          |            |              | plers:     | JGC & KA              | S                 |  |  |  |  |  |  |
| Wea       | ther:              | :       | Sunny                | & warm     | 80°        | Sam Tim      | -          | 0945                  |                   |  |  |  |  |  |  |
| Com       | ımenı              | ts:     |                      |            |            |              |            |                       |                   |  |  |  |  |  |  |
|           |                    |         |                      | V          | VELL OE    | SERVATI      | ONS        |                       | -                 |  |  |  |  |  |  |
| Flusl     | h Mo               | unt:    |                      | Y          | _ (Y/N)    | Loc          | eked:      | Y                     | _ (Y/N)           |  |  |  |  |  |  |
| Stick     | ւ Up։              |         |                      | N          | (Y/N)      | PIL          | <b>)</b> : | <del> </del>          | (PPM)             |  |  |  |  |  |  |
| Well      | Diar               | neter:  |                      | 1"         | (Inche     | s) <b>NA</b> | PL:        | <u>No</u>             | _ (Y/N)//(Inches) |  |  |  |  |  |  |
|           |                    | of Ca   |                      | Good       |            |              |            |                       |                   |  |  |  |  |  |  |
| Conc      | dition             | ı of Pa | d:                   | Good       |            |              |            |                       |                   |  |  |  |  |  |  |
| Comments: |                    |         |                      |            |            |              |            |                       |                   |  |  |  |  |  |  |
|           | FIELD MEASUREMENTS |         |                      |            |            |              |            |                       |                   |  |  |  |  |  |  |
|           |                    |         |                      | J          | FIELD M    | EASUREM      | MENTS      |                       |                   |  |  |  |  |  |  |
| A.        | Dep                | oth to  | Bottom:              |            |            |              |            | _ Ft.                 |                   |  |  |  |  |  |  |
| В.        | -                  | oth to  |                      |            |            | 1            | 0.67       | _ Ft.                 |                   |  |  |  |  |  |  |
| C.        |                    |         | ımn Heigh            | ,          |            |              | -          | _ Ft.                 |                   |  |  |  |  |  |  |
| D.        | Pur                | rge Me  | ethod Used           |            |            |              |            |                       |                   |  |  |  |  |  |  |
|           |                    |         |                      | olumes or  |            |              | ameter     |                       |                   |  |  |  |  |  |  |
|           |                    |         | Parameter S          |            | 2          | Stab         | ilization  |                       |                   |  |  |  |  |  |  |
| <b>E.</b> |                    |         | t <b>or:</b> 0.041 x | •          | ameter)2   |              | _          | (Inches) <sup>2</sup> |                   |  |  |  |  |  |  |
| F.        |                    |         | Volume: (            |            |            | -            |            | _ GPF (from           | sheet)            |  |  |  |  |  |  |
| G.        |                    |         | nes to be P          | 0          |            |              | 3          | _                     |                   |  |  |  |  |  |  |
| H.        |                    |         | ume to be            | •          |            |              |            | Gallons               |                   |  |  |  |  |  |  |
| I.        | Act                | ual Vo  | olume Purg           | ged to Sta | bilization | :            | 4          | _ Gallons             |                   |  |  |  |  |  |  |
| Tir       | me                 | pН      | COND                 | TURB       | DO         | TEMP         | SAL        | Con                   | nments            |  |  |  |  |  |  |
| 0017      | _                  | ( 10    | (mS/cm)              | (NTU)      | (mg/l)     | 19.7         | (%)        |                       |                   |  |  |  |  |  |  |
| 0915      |                    | 6.12    | 0.149                | -          | 10.77      | 18.7         | _          |                       |                   |  |  |  |  |  |  |
| 0920      | $\rightarrow$      | 6.09    | 0.158                | -          | 11.62      | 17.8         | -          |                       |                   |  |  |  |  |  |  |
| 0925      |                    | 6.07    | 0.163                | _          | 10.97      | 17.5         |            |                       |                   |  |  |  |  |  |  |
| 0930      | _                  | 5.77    | 0.166                | _          | 10.10      | 17.3         | _          |                       |                   |  |  |  |  |  |  |
| 0935      |                    | 5.68    | 0.167                | -          | 10.13      | 17.6         | _          |                       |                   |  |  |  |  |  |  |
| ⊥ 0940    | )                  | 5.75    | 0.163                | _          | I IU./6 □  | 17.5         |            |                       |                   |  |  |  |  |  |  |

10.89

18.8

6.15

0.164

1015

# APPENDIX E SOIL SAMPLE SCREENING RESULTS

# APPENDIX F CHAIN OF CUSTODY RECORDS

### FIELD CHAIN OF CUSTODY

(Complete in BLUE ink)

Copy

Page 77 of 169



Client: Robert M. Schulte

Address: DNREC - Division of Air & Waste Management

391 Lukens Drive, New Castle, DE 19720

Phone No.: (302) 395-2600

Report To: Robert M. Schulte

Invoice To: Robert M. Schulte

Account: ELS Order ID:

| PROJECT NAI                   | DE-03                     |                |                |          |      | T T  | T<br>ജ                |     | LYSES    | T             |     |    |      |                                                                            |                                                               |
|-------------------------------|---------------------------|----------------|----------------|----------|------|------|-----------------------|-----|----------|---------------|-----|----|------|----------------------------------------------------------------------------|---------------------------------------------------------------|
| SAMPLERS (P                   | lease Print) PRICE ST     | TANLEY         |                | <u> </u> |      |      | Ño.                   |     |          | न दि क्षांड   |     |    |      |                                                                            | ×                                                             |
| (ELS Use Only)<br>Lab Log No. | Client Sample Description | Sample<br>Date | Sample<br>Time | Matrix'  | Comp | Grab | Of<br>Con-<br>tainers | VOA | SVOA     | Metals (total |     |    |      | REMA                                                                       | ARKS                                                          |
|                               | Trip Blank                | 4/27/11        | 1200           | SO       |      | 1    | 1                     | 1   |          |               |     |    |      |                                                                            |                                                               |
|                               | PP-MWQ3-S                 | 5-24-11        | 0918           | SOIL     | X    |      | a                     | X   | X        | X             |     | 45 |      |                                                                            |                                                               |
|                               | PP-MWO3D                  |                | 0925           |          |      |      |                       |     | 1        | Ц             |     |    |      |                                                                            |                                                               |
|                               | PP-5BØ35                  |                | 1040           |          | ļ    |      |                       |     | Ш        |               |     |    |      |                                                                            |                                                               |
|                               | PP-SB03D                  |                | 1045           |          |      |      |                       |     |          | Ц             |     |    |      |                                                                            |                                                               |
|                               | PP-MWODS                  |                | 1100           |          |      |      |                       |     |          |               |     |    |      |                                                                            |                                                               |
|                               | bb-WMO3D                  |                | 1105           |          |      |      |                       |     |          |               |     |    |      |                                                                            |                                                               |
|                               | PP-5BM25                  |                | 1215           |          |      |      |                       |     |          |               |     |    |      |                                                                            |                                                               |
|                               | PP-5B03D                  |                | 1920           |          |      |      |                       |     |          |               |     |    |      |                                                                            |                                                               |
|                               | PP-58015                  |                | 1250           |          |      |      |                       | 7   | <b>J</b> | 1             |     |    |      |                                                                            |                                                               |
| RELINQUISHI                   | ED BY: (signature)        | DAT            | r <b>e</b>     | TIN      | ИE   | REC) | EIVED                 | BY: | (sigr    | ıatuı         | re) |    | i in | DW - drinking water ER - equip. rinseate GW - ground water Lab - lab water | SL - sludge<br>SO - soil<br>SW - surface water<br>TI - tissue |
|                               |                           |                |                |          |      |      | à                     |     |          |               |     |    |      | LW - fiquid waste<br>SE - sediment                                         | WS - solid waste<br>WW - waste water                          |
| COMMENTS:                     |                           |                |                |          |      |      |                       |     |          |               |     |    |      | Is laboratory ch                                                           | red?                                                          |

#### ELS USE ONLY

- 1. Samples match COC? Yes/No 2. Bottles supplied by ELS? Yes/No 3. Samples received broken/leaking? Yes/No 4. Cooler temp bottle 2-6 degrees? Yes/No/NA
- 5. Properly preserved? Yes/No 6. VOA/DO containers free of headspace? Yes/No/NA 7. Holding times expired? Yes/No 8. Volume sufficient for analysis? Yes/No

### FIELD CHAIN OF CUSTODY

Page 78 of 169

(Complete in BLUE ink)



Client: Robert M. Schulte

Address: DNREC - Division of Air & Waste Management

391 Lukens Drive, New Castle, DE 19720

Phone No.: (302) 395-2600

ELS Order ID:

| PROJECT NA                    | DE-0344                   | ting)                                            |                |         |      |      | 1                     | ı   | ANA   | LYS           | ES | F  |  |          | <del></del> |                                      |                                                                  |
|-------------------------------|---------------------------|--------------------------------------------------|----------------|---------|------|------|-----------------------|-----|-------|---------------|----|----|--|----------|-------------|--------------------------------------|------------------------------------------------------------------|
| SAMPLERS (P                   |                           |                                                  |                | ung)    |      |      | No.                   |     |       | d & diss)     |    |    |  |          |             |                                      |                                                                  |
| (ELS Use Only)<br>Lab Log No. | Client Sample Description | Sample<br>Date                                   | Sample<br>Time | Matrix* | Comp | Grab | Of<br>Con-<br>tainers | VOA | SVOA  | Metals (total |    |    |  |          |             | REMAR                                | RKS                                                              |
|                               | PP-SB01D                  | 5/24/11                                          | 1255           | 501L    | X    |      | <b>a</b>              | X   | 17    | X             |    |    |  |          |             |                                      |                                                                  |
|                               | PP-MINØ15                 |                                                  | 1310           |         |      |      |                       |     | 1     |               |    |    |  |          | /           |                                      |                                                                  |
|                               | IPP-MINIØID               |                                                  | 1315           | 1       | 1    |      | 1                     | 1   | 17    | 1             |    |    |  | <u> </u> | $\angle$    |                                      |                                                                  |
|                               |                           |                                                  | /              | - /     |      |      | /                     |     |       |               | _  |    |  |          |             |                                      |                                                                  |
|                               |                           |                                                  | -              |         |      |      | /                     |     |       |               |    |    |  |          |             |                                      |                                                                  |
|                               |                           |                                                  |                |         |      |      |                       |     |       |               |    |    |  |          | <u> </u>    |                                      |                                                                  |
| <u> </u>                      |                           | <del>                                     </del> |                | /       | /    |      | /_                    |     | -     |               |    |    |  |          |             |                                      |                                                                  |
|                               |                           |                                                  |                |         |      |      | 1                     |     |       | /             |    |    |  |          |             |                                      |                                                                  |
|                               | /                         |                                                  | / ,            | /       |      |      | ť                     |     |       |               |    |    |  |          |             |                                      |                                                                  |
| RELINQUISH                    | ED BY: (signature)        | DA                                               | ΓE             | TI      | ME   | REC  | EIVED                 | BY: | (sign | atur          | e) | e. |  |          |             | ER - equip. rinscate                 | SL - sludge<br>SO - soil                                         |
|                               |                           |                                                  |                |         |      |      |                       |     |       | :•:           |    | -  |  |          |             | Lab - lab water<br>LW - liquid waste | SW - surface water TI - tissue WS - solid waste WW - waste water |
| COMMENTS:                     |                           |                                                  |                |         |      |      |                       |     |       |               |    |    |  |          |             |                                      |                                                                  |
|                               |                           |                                                  |                |         |      |      |                       |     |       |               |    |    |  |          |             | Is laboratory chai<br>require        | ed?                                                              |
|                               |                           |                                                  |                |         |      |      |                       |     |       |               |    |    |  |          |             | Yes/N                                | No                                                               |

#### ELS USE ONLY

- 1. Samples match COC? Yes/No 2. Bottles supplied by ELS? Yes/No 3. Samples received broken/leaking? Yes/No 4. Cooler temp bottle 2-6 degrees? Yes/No/NA
- 5. Properly preserved? Yes/No 6. VOA/DO containers free of headspace? Yes/No/NA 7. Holding times expired? Yes/No 8. Volume sufficient for analysis? Yes/No

#### FIELD CHAIN OF CUSTODY

Page<sub>e</sub> 79 of 369/

(Complete in BLUE ink)

COPY

| STATUTE OFFINITION OF | MATURAL RESIDENCE |
|-----------------------|-------------------|
| THO ENTROPAE          | STAL COSTLO       |

Client: Robert M. Schulte

Address: DNREC - Division of Air & Waste Management

391 Lukens Drive, New Castle, DE 19720

Phone No.: (302) 395-2600

Report To: Robert M. Schulte

Account:

ELS Order ID:

| PROJECT NAM                   | ME DE 00.44               | <u> </u>       | T)1            | • \      |      |      |                       |     |      | 311           | ANA | LYS | ES |                                                                  |                                                |
|-------------------------------|---------------------------|----------------|----------------|----------|------|------|-----------------------|-----|------|---------------|-----|-----|----|------------------------------------------------------------------|------------------------------------------------|
| SAMPLERS (PI                  | DE-0344                   | (Procir        | io Pla         | ting)    |      |      |                       |     |      | diss)         |     |     |    | =                                                                |                                                |
| SAMI LERS (I)                 | ease I I mit)             |                |                |          |      |      | No.                   | ٦   |      | 48            | 1   |     |    | 1                                                                |                                                |
| (ELS Use Only)<br>Lab Log No. | Client Sample Description | Sample<br>Date | Sample<br>Time | Matrix*  | Comp | Grab | Of<br>Con-<br>tainers | VOA | SVOA | Metals (total |     |     |    | REMA                                                             | RKS                                            |
|                               | PP-MWQUS                  | 5-25-11        | 997            | SOIL     | X    |      | a                     | X   | X    | 1x            |     | 1   |    |                                                                  |                                                |
|                               | PP-MWQ4D                  |                | Ø977           | Ì        |      |      |                       | 1   | 1    | $\Pi$         |     |     |    |                                                                  |                                                |
|                               | PP-SB05S                  |                | 1029           |          |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-SBASD                  |                | 1042           |          |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-MW055                  |                | 710¢           |          |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-MMO5D                  |                | 1109           |          |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-58065                  |                | 133(1)         |          |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-SBOWD                  |                | 1336           | , ec     |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-MULACOS                |                | 1995           |          |      | 10   |                       |     |      |               |     |     |    |                                                                  |                                                |
|                               | PP-MWOCOD                 | 1              | 1231           | 1        | V    |      |                       | 7   | 1    | L             | 1_  |     |    |                                                                  |                                                |
| RELINQUISHI                   | ED BY: (signature)        | DA             | TE             | TII      | MÈ   | REC  | EIVED                 | BY: | (sig | natu          | re) |     |    | DW - drinking water<br>ER - equip. rinscate<br>GW - ground water | SL - sludge<br>SO - soil<br>SW - surface water |
|                               |                           | -              |                | <u> </u> |      |      |                       |     |      |               |     |     |    | <br>Lab - lab water<br>LW - liquid waste                         | TI - tissue<br>WS - solid waste                |
|                               |                           |                |                |          |      |      |                       |     |      |               |     |     |    | SE - sediment                                                    | WW - waste water                               |
| COMMENTS:                     |                           |                | -              | •        |      |      |                       |     |      |               |     |     |    |                                                                  |                                                |
| x.                            |                           |                |                | Ø.       |      |      |                       |     |      |               |     |     |    | Is laboratory ch<br>requi                                        |                                                |
|                               |                           |                |                |          |      |      |                       |     |      |               |     |     |    | <br>Yes                                                          | 'No                                            |

#### ELS USE ONLY

- 1. Samples match COC? Yes/No 2. Bottles supplied by ELS? Yes/No 3. Samples received broken/leaking? Yes/No 4. Cooler temp bottle 2-6 degrees? Yes/No/NA
- 5. Properly preserved? Yes/No 6. VOA/DO containers free of headspace? Yes/No/NA 7. Holding times expired? Yes/No 8. Volume sufficient for analysis? Yes/No

### FIELD CHAIN OF CUSTODY

(Complete in BLUE ink)

M

Page 80 of 169



Client: Robert M. Schulte

Address: DNREC - Division of Air & Waste Management

391 Lukens Drive, New Castle, DE 19720

Phone No.: (302) 395-2600

ELS Order ID:

| PROJECT NAM                   | DE-0344 (                 |                |                                         |         |      | T T  |                       | ANA    | LYSE     | S             | -        |   |     |  |   |                                                                  |                                                |
|-------------------------------|---------------------------|----------------|-----------------------------------------|---------|------|------|-----------------------|--------|----------|---------------|----------|---|-----|--|---|------------------------------------------------------------------|------------------------------------------------|
| SAMPLERS (PI                  | ease Print) PRICE (STANI  | EY             | 10 1 14                                 | mg)     |      |      | Nő.                   |        |          | ी के तांडा)   |          |   |     |  |   |                                                                  |                                                |
| (ELS Use Only)<br>Lab Log No. | Client Sample Description | Sample<br>Date | Sample<br>Time                          | Matrix* | Comp | Grab | Of<br>Con-<br>tainers | VOA    | SVOA     | Metals (total |          |   |     |  |   | REMA                                                             | ARKS                                           |
|                               | PP-SB 075                 | 5-26-11        | _                                       | 501L    | X    |      | ,S                    | 1      | 1        | X             |          |   |     |  |   |                                                                  |                                                |
|                               | PP-SBOTD                  |                | 0990                                    | , (A)   |      |      |                       | $\Box$ |          | П             |          |   |     |  |   |                                                                  |                                                |
|                               | PP-SBOUS                  |                | 6942                                    |         |      |      |                       | 1      |          |               |          |   |     |  |   |                                                                  |                                                |
|                               | PP-SBOYD                  |                | 2946                                    |         |      |      | <b>-</b>              | H      | Н        |               |          |   |     |  |   |                                                                  |                                                |
|                               | PP-SBYØD                  | 1              | 4680                                    | L-V     | 1    |      | W_                    | V      | 1        | V             | 1        |   |     |  |   |                                                                  |                                                |
|                               | /                         |                |                                         |         | _/   |      |                       | _      |          | $\swarrow$    |          |   | - 1 |  |   |                                                                  |                                                |
|                               |                           |                |                                         |         | _    | 3    |                       | -      | $\vdash$ |               |          | - | _   |  | _ |                                                                  |                                                |
|                               |                           |                |                                         |         |      | -    | /                     |        |          |               | $\vdash$ | - |     |  |   |                                                                  |                                                |
| [1                            |                           | /              |                                         |         |      |      |                       |        |          |               |          |   |     |  |   |                                                                  |                                                |
| RELINQUISHE                   | ED BY: (signature)        | DA             | TE                                      | TII     | мЕ   | REC  | EIVED                 | BY:    | (sign    | atur          | e)       |   |     |  |   | DW - drinking water<br>ER - equip. rinseate<br>GW - ground water | SL - sludge<br>SO - soil<br>SW - surface water |
|                               | ŧ                         |                |                                         |         |      |      |                       |        |          |               |          |   |     |  |   | Lab - lab water                                                  | TI - tissue                                    |
|                               |                           |                | ======================================= |         |      |      |                       |        |          |               |          |   | n   |  |   | LW - liquid waste<br>SE - sediment                               | WS - solid waste<br>WW - waste water           |
| COMMENTS:                     | <del> </del>              |                | -                                       |         |      |      |                       |        |          |               |          |   |     |  |   |                                                                  |                                                |
|                               |                           |                |                                         |         |      |      |                       |        |          |               |          |   | -   |  |   | Is laboratory ch<br>requi                                        |                                                |
|                               |                           |                |                                         |         |      |      |                       |        |          |               |          |   |     |  |   | Yes /                                                            | 'No                                            |

#### ELS USE ONLY

- 1. Samples match COC? Yes/No 2. Bottles supplied by ELS? Yes/No 3. Samples received broken/leaking? Yes/No 4. Cooler temp bottle 2-6 degrees? Yes/No/NA
- 5. Properly preserved? Yes/No 6. VOA/DO containers free of headspace? Yes/No/NA 7. Holding times expired? Yes/No 8. Volume sufficient for analysis? Yes/No

### FIELD CHAIN OF CUSTODY

Page 81 of 169

(Complete in BLUE ink)



Client : Robert M. Schulte Report To : Robert M. Schulte

Address : DNREC - Division of Account : New Castle, DE 19720 Account : Phone No.: (302) 395-2600 ELS Order ID : // 0 4 0 4 /

| PROJECT NAM                   | ME DE 0244                | D oie          | - D1-4         | in a)    |      |      |                                              |             |       |                 | NAL        | YSES |                                                                                                                                                              |   | $\Box$ |                                          |   |
|-------------------------------|---------------------------|----------------|----------------|----------|------|------|----------------------------------------------|-------------|-------|-----------------|------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|------------------------------------------|---|
| SAMPLERS (PI                  | DE-0344 (                 | Procin         | lo Plat        | mg)      |      |      |                                              |             |       | diss)           |            |      |                                                                                                                                                              |   |        | 26                                       |   |
| (1                            | JOHN CARGUL 1             | KRYST          | DAL ST         | HULEY    |      |      | No.                                          |             | ابرا  | ₩<br> <br> <br> |            |      |                                                                                                                                                              |   |        | *                                        |   |
| (ELS Use Only)<br>Lab Log No. | Client Sample Description | Sample<br>Date | Sample<br>Time | Matrix*  | Comp | Grab | Of<br>Con-<br>tainers                        | VOA         | SVOA  | Metals (ध्वय &  |            |      |                                                                                                                                                              |   |        | REMARKS                                  |   |
| 1106041-001                   |                           | 4/25/11        | 1100           | GW       |      | 1    | 3                                            | ✓           | 1     | /               |            | İ    | j                                                                                                                                                            | ĺ |        |                                          |   |
| 1126041002                    | PPMWOI                    | 60611          | 1330           | GW       |      | 1    | 7                                            | 3           | 12    | IJ              |            |      |                                                                                                                                                              |   |        |                                          |   |
| 1106041-003                   | PPMW02                    | 6/16/11        | 1215           | €W       |      | 1    | 7                                            | /           | _     | /               |            | _    |                                                                                                                                                              |   |        | Va.                                      |   |
| 110/041 -004                  | PPM WO3                   | 6/16/11        | 1015           | GW       |      | /    | 12                                           | 1           | /     | 1               |            | _    |                                                                                                                                                              | _ |        | USE FOR MS/MSD                           | _ |
| 1106041-005                   | IPPMW04                   | GW.            |                | 1        | 7    | 1    | 1                                            | 1/          | _     |                 |            |      |                                                                                                                                                              |   | _      |                                          |   |
| 1104041-086                   |                           | (17/11         | 1055           | GW       |      | /    | 17                                           | /           | 1     | _               | _          |      |                                                                                                                                                              |   |        |                                          | [ |
| 1106041-007                   |                           | 6/7/11         | 48ALC)         | GW       |      | /    | 7                                            | /           | 1     |                 |            |      |                                                                                                                                                              |   |        |                                          |   |
| 1106041.008                   | DUP-1                     | 6/16/11        | NR             | GW       |      | /    | 7                                            | /           | 1     | 1               |            |      |                                                                                                                                                              |   |        |                                          |   |
|                               |                           |                |                |          |      |      |                                              |             |       |                 |            |      | !                                                                                                                                                            |   |        |                                          |   |
|                               |                           |                |                | <i>"</i> |      |      |                                              |             |       |                 |            |      | 1                                                                                                                                                            |   |        | _ = = = = =                              |   |
| DELINOURSH                    | ED BY: (signature)        | DA             | TE             | TI       | ME   | DEC  | EIVED                                        | RV.         | (cia: | o of the se     | <b>-</b> ) |      |                                                                                                                                                              |   |        | DW - drinking water SL - sludge          |   |
| Court on                      | Jal Jal                   | 55             | IC.            | 2        |      | X A  | <u>,                                    </u> | )<br>!<br>! | fin   | sen             | 7          | 5    | ER - equip. rinseate GW - ground water Lab - lab water LW - liquid waste SE - sediment SO - soil SW - surface wa TI - tissue WS - solid waste WW - waste wat | e |        |                                          |   |
| COMMENTS:                     |                           |                |                |          |      |      |                                              |             |       |                 |            |      |                                                                                                                                                              |   |        |                                          |   |
|                               |                           |                |                |          |      |      |                                              |             |       |                 |            |      |                                                                                                                                                              |   |        | Is laboratory chain-of-custody required? | 5 |

#### ELS USE ONLY

Sample Conditions (circle response):

1. Samples match COC? VerNo 2. Bottles supplied by ELS? Yes/No 3. Samples received broken/leaking? Yes/No 4. Cooler temp bottle 2-6 degrees? Yes/No/NA 5. Properly preserved? Yes/No 6. VOA/DO containers free of headspace? Yes/No/NA 7. Holding times expired? Yes/No 8. Volume sufficient for analysis? Yes/No

Edison, New Jersey 08817

Phone: (732) 549-3900 Fax: (732) 549-3679

# <u>TestAmerica</u>

CHAIN OF CUSTODY / ANALYSIS REQUEST

| THE LEADER IN ENVIRONMENTAL TESTI     | NG                   |           |            |               |            |       |         |         |           |           |         |            |         |         |          | ſ        | Page   | of         | <u>メ</u> |
|---------------------------------------|----------------------|-----------|------------|---------------|------------|-------|---------|---------|-----------|-----------|---------|------------|---------|---------|----------|----------|--------|------------|----------|
| Name (for report and invoice)         |                      |           |            |               | Printed)   |       |         |         |           |           |         | fication   |         |         |          |          |        |            |          |
| BOB SCHULTE                           |                      | DN        | REC        | <u> </u>      | SIRS       | >     |         |         | PRC       | CIN       | 10 F    | LAY        | 117     | 10      | (DE      | 5-03     | 54 L   | t/3        |          |
| Company                               |                      | P. O. #   | ‡          |               |            |       | 16      |         | State     | (Locat    | tion of | site):     |         |         | NY:      |          | Other: |            |          |
| DAREC-SIRS                            |                      |           |            |               |            |       | 70      |         | Regul     | latory l  | Progra  | ım:        |         |         |          |          |        |            |          |
| Address                               | _                    | 1 '       | is Turnaro | und Ti        | me         |       | ANALYSI | S REQUE | ESTED (EN | NTER X: B | ELOW TO | INDICATE F | REQUEST | )       |          |          | 1      | AB USE O   | - 1      |
| 391 LUKENS DRIVI                      | <u> </u>             | Standa    |            |               |            | 3     |         |         |           |           | 6       |            |         |         |          | **       | ,      | Project No | ):       |
|                                       | State                |           | hrages Aut | thorize       | d For:     |       | •       |         |           |           | Ì       |            | 1       |         |          | /        |        |            |          |
| NEW CASTLE Phone Fax                  | DE                   | 2 We      | $\equiv$   |               | /          | 1 PCB |         |         |           |           |         |            |         |         | 1        |          |        | Job No:    |          |
| 7none Fax<br>302-395-2600 302-3       | 295-7/20             | 1 We      | her her    |               |            |       | 74      |         |           | ×         |         |            |         |         | /        | -        |        |            | -        |
| 307.740 - 20 MM C                     | 10-200               | 77        | let        | <del></del> r | No. of.    |       |         |         |           |           |         |            |         |         |          |          |        | Sample     |          |
| Sample Identification                 | Dat                  | te Time   | e Mat      | - 1           | Cont.      | 8     |         |         |           |           |         |            |         |         |          |          |        | Numbers    |          |
| PP-MINDSS                             | 5-24                 | 1-11 0918 | 3 501      | ı             | 1          | X     |         |         |           |           |         |            | 7       |         |          |          |        |            |          |
| PP-MWB3D                              |                      | ଡ଼େ ଓ     |            |               |            |       |         |         |           |           |         |            | 7       |         |          |          |        |            |          |
| PP-5B035                              |                      | 104       |            |               |            |       |         |         |           |           |         | /          |         |         |          |          |        |            |          |
| PP-SBREDZD                            |                      | 1045      |            |               |            |       |         |         |           |           | 7       |            |         |         |          |          |        |            |          |
| PP-MWØ2S                              |                      | 1100      |            | $\Box$        |            |       |         |         |           |           |         |            |         |         |          |          |        |            |          |
| 66-WM09D                              |                      | 1109      |            |               |            |       |         |         |           | /         |         |            |         |         |          |          |        |            |          |
| PP-58Ø25                              |                      | 1215      |            |               |            |       |         |         | 7         |           | £1.     |            |         |         |          |          |        |            |          |
| PP-58020                              |                      | 1990      |            |               |            |       |         | /       | 1         |           |         |            |         |         |          |          |        |            |          |
| PP-SBQ15                              |                      | 125       |            |               |            |       |         | /       |           |           |         |            |         | 51 ———I |          |          |        |            |          |
| PP-SBOY D                             |                      | 125       |            |               | 1/2        |       |         |         |           |           |         |            |         |         |          |          |        |            |          |
| Preservation Used: 1 = ICE 2 = HCI, 3 | $= H_2SO_4, 4 = I$   |           |            | ~             | Soil:      | 10    |         |         |           |           |         |            |         |         |          |          |        |            |          |
| 6 = Other                             | 6 = Other, 7 = Other |           |            |               |            |       |         |         |           |           |         |            |         |         |          |          |        |            |          |
| Special Instructions                  |                      |           |            |               |            |       | h ==-   | 7.      |           |           |         |            | W       | ater M  | letals I | Filtered | (Yes   | /No)?      |          |
|                                       | Company              |           |            | Da            | ite / Time | е     | Receiv  | ved by  |           |           |         |            |         | Comp    |          |          | (      |            |          |
| ' '                                   | 1                    |           |            |               |            |       | 1)      |         |           |           |         |            |         |         |          |          |        |            | 12       |
| Relinquished by                       | Company              |           | _          | Da            | ite / Time | e     | Recei   | ved by  | ,         | -         |         |            |         | Comp    | pany     |          |        |            |          |
| 2)                                    | 1                    |           |            |               | 1          |       | 2)      |         |           |           |         |            |         |         |          |          |        |            |          |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Date / Time

Date / Time

Received by

Received by

TAL - 0016 (0408)

Company

Company

Company

Company

Relinquished by

Relinquished by

Site/Project Identification

Phone: (732) 549-3900 Fax: (732) 549-3679

# **TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

Name ( for report and invoice )

#### **CHAIN OF CUSTODY / ANALYSIS REQUEST**

Samplers Name ( Printed )

|      | ١.      |    | $\overline{}$ |
|------|---------|----|---------------|
| Page | <u></u> | of | <u>d</u>      |

| BOB SCHULTE                                                              |                      | DNR             | EC       | - S     | 12      | Ś     |           |         |         | PRC     | CIN       | 10 P     | LA.      | T I N   | 10     | (DE    | -03       | 3ં4   | 4\*          |
|--------------------------------------------------------------------------|----------------------|-----------------|----------|---------|---------|-------|-----------|---------|---------|---------|-----------|----------|----------|---------|--------|--------|-----------|-------|--------------|
| Company<br>DRR-FC-SIRS                                                   |                      | P. O. #         |          |         |         |       |           |         |         | State   | (Loca     | tion of  | site):   | NJ:     |        | NY:    |           | Othe  | r:J          |
| DAREC-SIRS                                                               |                      |                 |          |         |         | 1000  |           |         |         | Regu    | latory    | Progra   | am:      |         |        |        |           |       |              |
| Address                                                                  |                      | Analysis Ti     | ırnaroı  | ınd Tii | me      |       |           | ANALYSI | SREQUE  | STED (E | NTER*X: 6 | BELOW TO | INDICATE | REQUEST | )      |        |           | abla  | LAB USE ONLY |
| 391 LUKENS DRIVE                                                         |                      | Standard        |          |         |         |       | 7         |         |         |         |           |          |          |         |        |        |           | 2     | Project No:  |
| City                                                                     |                      | Rush Chra       | <u> </u> | horize  | d For:  |       | 싓         |         |         |         |           |          |          |         |        |        |           | 2:    |              |
| NEW CASTLE DE                                                            |                      | 2 Week          | =        |         |         |       | PCB CN    |         |         |         |           |          |          |         |        | /      |           |       | Job No:      |
| Phone Fax<br>302-395-2600 302-395-2                                      | 1/-01                | 1 Week<br>Other | =        |         |         |       | —         | Sil     |         |         |           |          |          |         |        |        |           | _     | -1           |
| 37540 28 6W 30 2 575 2                                                   | 1001                 | Other           |          |         | No. o   | f     | 8         |         |         |         |           |          |          |         | /      |        |           |       | Sample       |
| Sample Identification                                                    | Date                 | Time            | Mat      | - 1     | Cont    |       | 8         |         |         |         |           |          |          | (       | _      |        |           |       | Numbers      |
| PP-MINØ3S                                                                | 5-24-11              | 0918            | SOI      | L       |         |       | X         |         |         |         |           |          |          |         |        |        |           |       | -            |
| PP-MW03D                                                                 |                      | 925             | 1        | - 1     | 1       |       | ĺ         |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-SR035                                                                 |                      | 1940            |          |         |         |       |           |         | 2       |         |           |          | /.       |         |        |        |           |       |              |
| PP-SBRED3D                                                               |                      | 1045            |          |         |         |       |           |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-MWØ2S                                                                 |                      | 1100            |          |         | 1       |       |           |         |         |         | /         |          |          |         |        |        |           |       |              |
| 0601M-99                                                                 | _1                   | 1105            |          |         |         |       |           |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-58025                                                                 |                      | 1215            |          |         |         |       |           |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-58030                                                                 |                      | 1990            | Î        |         |         |       |           |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-SB015                                                                 |                      | 1950            |          |         |         |       |           |         |         |         |           |          |          |         |        |        |           |       |              |
| PP-SBOLD                                                                 |                      | 1355            | >        | 1       | XV      |       | $\Lambda$ |         |         |         |           |          |          | æ       |        |        |           |       |              |
| Preservation Used: 1 = ICE 2 = HCI, 3 = H <sub>2</sub> SO <sub>4</sub> , | 4 = HNO <sub>3</sub> | , 5 = Na(       | DH.      |         | So      | il: 1 | 0         |         |         |         |           |          |          |         | À.     |        |           |       |              |
| 6 = Other, 7 = Oth                                                       | her                  |                 |          |         | Wate    | er:   |           |         |         |         |           |          |          |         |        |        |           |       |              |
| Special Instructions                                                     |                      |                 |          |         |         |       |           |         | 57      |         |           | 16       |          | W       | ater N | Aetals | Filtere   | d (Y  | es/No)?      |
| Relinquished by Company                                                  |                      | _               |          | Dat     | te / Ti | me    |           | Recei   | ved by  | _       | _         | -8-      |          | - 77    |        | pany   | i illoi e | G (16 | 20/110/1     |
| Company                                                                  |                      |                 |          | Da      |         | 0     |           | 1)      | . 55 5) |         |           |          |          |         |        |        |           |       |              |
| Relinquished by Company                                                  |                      | <del>-</del>    |          | Da      | te / Ti | me    |           | Recei   | ved by  | ,       |           |          |          |         | Com    | pany   |           |       |              |
| [2]                                                                      |                      |                 |          |         | ı       |       |           | 2)      | •       |         |           |          |          |         | 5      |        |           |       |              |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Date / Time

Date / Time

Received by

Received by

Company

Company

Company

Company

Relinquished by

Relinquished by

## TestAmerica

777 New Durham Poage 84 of 169

Edison, New Jersey 08817

Phone: (732) 549-3900 Fax: (732) 549-3679

### **CHAIN OF CUSTODY / ANALYSIS REQUEST**

| THE LEADER IN ENVIRONMENTAL TESTI        | NG                                         |                        |              |                  |                           |            |         |             |             |              |        |           |           | Page of                  |
|------------------------------------------|--------------------------------------------|------------------------|--------------|------------------|---------------------------|------------|---------|-------------|-------------|--------------|--------|-----------|-----------|--------------------------|
| Name ( for report and invoice )          |                                            |                        | s Name (     |                  |                           |            | S       | ite/Proje   | ct Ident    | ification    |        |           |           |                          |
| BOB SCHULTE                              |                                            |                        | 2EC-5        | <u> 51R2</u>     | <u>S</u>                  |            |         |             |             |              |        | 7         |           | E-0344)                  |
| Company<br>DNREC-SIRS                    |                                            | P. O. #                |              |                  |                           |            | -       | State (Loc  |             |              | NJ:    | NY        | ': L      | Other:                   |
|                                          |                                            | 1                      |              | _                |                           |            |         | Regulator   |             |              |        |           |           |                          |
| Address<br>391 LUKENS DR<br>City         |                                            | Analysis T<br>Standard | urnaround 1  | îme              |                           | ANALYSIS A | REQUEST | LED (ENTER. | X: BELOW TO | INDIÇATE REI | QUEST) |           |           | LAB USE ONLY Project No: |
| City                                     | State                                      | 1                      | ges Authoriz | ed For:          | 13                        |            |         |             |             |              |        |           |           | r roject No.             |
| NEMICASTLE                               | State                                      | 2 Week                 |              |                  | 3                         | -          |         |             |             |              |        |           | 1         | Job No:                  |
| Phone Fax                                |                                            | 1 Week                 |              |                  | \$                        |            |         |             |             |              |        |           |           |                          |
| 302-395-2600 300-                        | 345-7601                                   | Other                  | <u> </u>     | ls: 4            | PEST/RB/CN                |            |         | - 1         |             |              |        | -         |           |                          |
| Sample Identification                    | Date                                       | Time                   | Matrix       | No. of.<br>Cont. | $\frac{\lambda}{\lambda}$ |            | į.      |             |             |              |        |           |           | Sample<br>Numbers        |
| PP-MWØ4S                                 | 6-25-1                                     | 1 2917                 | SOIL         | 1                | X                         |            |         |             |             |              |        |           |           |                          |
| PP-MWØ4D                                 |                                            | 0922                   | Ĭ            |                  | 1                         |            |         |             |             |              |        |           |           |                          |
| PP-58055                                 |                                            | 1429                   |              |                  |                           |            |         |             |             |              |        |           |           |                          |
| PP-5805D                                 |                                            | 1040                   |              |                  |                           |            |         |             |             |              |        |           |           |                          |
| PP-MW055                                 |                                            | 1100                   |              |                  |                           |            |         |             | 70          |              |        |           |           |                          |
| PP-MIN 05D                               |                                            | 1109                   |              |                  |                           |            |         |             |             |              |        |           |           |                          |
| PP-SBOGS                                 |                                            | 1330                   | 1            |                  |                           |            |         | -           |             | l)           |        |           |           |                          |
| PP-5B06D                                 |                                            | 1336                   |              |                  |                           |            |         |             |             |              |        |           |           |                          |
| PP-MWOGS                                 |                                            | 1225                   |              |                  |                           |            |         |             |             |              |        |           |           |                          |
| PP-MMQCD                                 | Ú                                          | 1231                   | V            | W                | V                         |            |         |             |             |              | 13     |           |           |                          |
| Preservation Used: (1 = ICE), 2 = HCl, 3 | = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO | $D_3$ , 5 = Na         | )H           | Soil:            | 10                        |            |         |             |             |              |        |           |           |                          |
| 6 = Other                                | , 7 = Other                                |                        |              | Water            |                           |            |         | - V         |             |              |        |           |           |                          |
| Special Instructions                     |                                            |                        |              |                  |                           |            |         |             |             |              | Wate   | er Metals | s Filtere | d (Yes/No)?              |
| Relinquished by                          | Company                                    |                        | D            | ate / Tim        | e                         | Receive    | d by    |             |             |              |        | ompany    |           |                          |
|                                          |                                            |                        |              | 1                |                           | 1)         |         |             |             |              |        |           |           |                          |
| Relinquished by                          | Company                                    |                        | Di           | ate / Tim        | e                         | Receive    | ed by   |             |             |              | С      | ompany    |           |                          |
| 2)                                       | (8)                                        |                        |              |                  |                           | 2)         |         |             |             |              |        |           |           |                          |
| Relinquished by                          | Company                                    |                        | D            | ate / Tim        | e                         | Receive    | ed by   |             |             |              | С      | ompany    |           |                          |
| 3)                                       |                                            |                        |              | 1                |                           | 3)         |         |             |             |              |        |           |           | (21)                     |
| Relinquished by                          | Company                                    |                        | D            | ate / Tim        | e                         | Receive    | ed by   |             |             |              | C      | onpany    |           | 22                       |
|                                          | 1                                          |                        |              | ,                |                           | 1          |         |             |             |              |        |           |           |                          |

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

777 New Durham Roage 85 of 169

Edison, New Jersey 08817

Phone: (732) 549-3900 Fax: (732) 549-3679

# **TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

#### **CHAIN OF CUSTODY / ANALYSIS REQUEST**

| Name (for report and invoice)  BOB SCHULTE |                                                         |           | s Name (     |                  |             |              |              | oject Iden                |                   |             |           | \                 |
|--------------------------------------------|---------------------------------------------------------|-----------|--------------|------------------|-------------|--------------|--------------|---------------------------|-------------------|-------------|-----------|-------------------|
| ROB SCHULTE                                |                                                         | DNREC-SIR |              |                  | _2          |              | PRI          | PRUCINO PLATING (DE-0344) |                   |             | -0344)    |                   |
| Company                                    |                                                         | P. O. #   |              |                  |             |              | State (      | Location of               | of site): NJ      | : N         | Y:        | Other:            |
| DNREC-SIRS                                 |                                                         |           |              |                  |             |              |              | tory Prog                 |                   |             |           |                   |
| Address                                    |                                                         | l '       | urnaround 1  | Πme              |             | ANALYSIS REC | DUESTED (ENT | ER 'X' BELOW T            | O INDICATE REQUES | ST)         | _         | LAB USE ONLY      |
| 391 WKENS DR                               | 01-1-                                                   | Standard  |              |                  | ス           |              |              |                           |                   |             |           | Project No:       |
| City<br>NEWCASTLE                          | State<br>DE                                             | Rush Chra | ges Authoriz | ed For:          | $\subseteq$ |              |              |                           |                   |             |           | Job No:           |
| Phone Fav                                  |                                                         | 1 Week    | =            |                  | 8           |              |              | 1                         |                   |             |           | 30D 140.          |
| 302-395/2600 302-                          | 3952601                                                 | Other     |              |                  | 8           |              |              |                           |                   |             |           |                   |
| 7<br>Sample Identification                 | Date                                                    | Time      | Matrix       | No. of.<br>Cont. | PET/RB/CA   |              |              |                           |                   |             |           | Sample<br>Numbers |
| PP-5B075                                   | 5-26-11                                                 | 0912      | SOIL         |                  | Ϋ́          |              |              |                           |                   |             |           |                   |
| PP-5BØ7D                                   |                                                         | 2920      |              |                  | 1           |              |              |                           |                   |             |           |                   |
| PP-SBOH S                                  |                                                         | 0947      |              |                  |             | 54.          |              |                           |                   |             |           |                   |
| PP-SBOHD                                   |                                                         | 0946      |              |                  | 1           |              |              |                           |                   |             |           |                   |
| PP-5B40D                                   | 1/                                                      | 0924      |              |                  | V           |              |              |                           |                   |             |           |                   |
|                                            | /                                                       |           | _            | V                |             |              |              |                           |                   |             |           |                   |
|                                            |                                                         |           |              |                  |             |              |              |                           |                   |             |           |                   |
|                                            |                                                         |           |              |                  |             |              |              |                           |                   |             |           |                   |
|                                            |                                                         |           |              |                  | į.          |              |              |                           |                   |             |           |                   |
|                                            |                                                         |           |              |                  |             |              |              |                           |                   |             |           |                   |
| Preservation Used: 1 = ICE, 2 = HCI, 3     | = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> | , 5 = Na( | DH .         | Soil:            | 5           |              |              |                           |                   |             | 97        |                   |
| 6 = Other                                  |                                                         |           |              | Water:           |             | 4245         |              |                           |                   |             |           |                   |
| Special Instructions                       |                                                         |           |              |                  |             |              |              |                           | V                 | Jator Metal | e Filtere | d (Yes/No)?       |
|                                            | Company                                                 |           | Da           | ate / Time       | )           | Received     | by           |                           |                   | Company     |           | 4 (100/110):      |
| i i                                        | ×                                                       |           |              | 1                |             | 1)           |              | ,                         |                   |             |           |                   |
| Relinquished by                            | Company                                                 | 11        | Da           | ate / Time       | 9           | Received     | by           |                           |                   | Company     | /         |                   |
| 2)                                         |                                                         |           |              |                  |             | 2)           |              |                           |                   |             |           |                   |
| Relinquished by                            | Company                                                 |           | Da           | ate / Time       | )           | Received     | by           |                           |                   | Company     | /         |                   |
| 3)                                         |                                                         |           |              |                  |             | 3)           |              |                           |                   |             |           |                   |
| Relinquished by                            | Company                                                 |           | Da           | ate / Time       | 9           | Received     | by           |                           |                   | Conpany     | /         |                   |
| 4)                                         |                                                         |           |              |                  |             | 4)           |              |                           |                   |             |           |                   |

777 New Durham Rage 86 of 169 Edison, New Jersey 08817

Phone: (732) 549-3900 Fax: (732) 549-3679

## **TestAmerica**

#### **CHAIN OF CUSTODY / ANALYSIS REQUEST**

| THE LEADER IN ENVIRONMENTAL TESTING      |                         |             |               |                  |          |         |         |                                            | Page of                      |
|------------------------------------------|-------------------------|-------------|---------------|------------------|----------|---------|---------|--------------------------------------------|------------------------------|
| Name ( for report and invoice )          |                         |             | Name (        |                  |          |         |         | Site/Project Identification                |                              |
| ROBERT M SCHOLTF                         |                         | JOHAL       | CARSIL        | 1/E              | DISTY    | W 57    | PAILE   | 1 PROCING PLATING                          | DE-0344                      |
| Company                                  |                         | P. O. #     |               |                  |          |         |         | State (Location of site): NJ:              | NY: Other: DE                |
| INFEC - DIVISION OF WASTER H             | AZ, SULSTANCE           | <u> </u>    |               |                  |          |         |         | Regulatory Program: DNREC                  | 215 è                        |
| Address .                                |                         | Analysis To | urnaround T   | ime              |          | ANALYSI | S REQUE | STED (ENTER 'X: BELOW TO INDICATE REQUEST) | LAB USE ONLY                 |
| 391 LUKENS DRIVE                         |                         | Standard    | J             |                  |          |         |         |                                            | Project No:                  |
| City                                     | ate                     | Rush Chra   | ges Authorize | ed For:          | ١        |         | 1,,     |                                            |                              |
| NEW CASTLE                               | 75-                     | 2 Week      | $\sqsubseteq$ |                  | עו<br>ב  |         | D       |                                            | Job No:                      |
| Phone Fax                                | l l                     | 1 Week      | =             |                  | ت        |         | NOR     |                                            |                              |
| 302-305-2600 3/12-3                      | 395-2672                | Other       | Ш             |                  | Ę        | B       | Ä       |                                            |                              |
| Sample Identification                    | Date                    | Time        | Matrix        | No. of.<br>Cont. | PESTICIA |         | 40-7    |                                            | Sample<br>Numbers            |
| PPMWOI                                   | 1/11/11                 | 1330        | GW            | 5                | 4        | 2       | 2       |                                            |                              |
| PPMW07                                   | 6/11/11                 | 1715        | SW            | 5                | ~        | - L     | _       |                                            |                              |
| DDMW03                                   | 6/16/11                 | 1015        | GW            | 14               | 1        |         | ~       |                                            |                              |
| DOMNOY                                   | 6/11/11                 | 0845        | GW            | 5                |          |         | ~       |                                            |                              |
| DDM WOS                                  | 6/17/11                 | 1055        | GW            | 5                | 1/       | /       |         |                                            |                              |
| PPMWOE                                   | 1/17/11                 | 0945        | 6W            | 5                | 1        | 1       | 1/      |                                            |                              |
| DUD-                                     | -tokil                  | NIZ.        | GW            | 5                | _/       |         |         |                                            |                              |
|                                          |                         |             |               |                  |          |         |         |                                            |                              |
|                                          |                         |             |               |                  |          |         |         |                                            |                              |
|                                          |                         |             |               |                  |          |         |         |                                            |                              |
| Preservation Used: 1 = ICE, 2 = HCI, 3 = | $H_2SO_4$ , $4 = HNO_3$ | , 5 = Na    | OH            | Soil:            |          |         |         |                                            |                              |
| 6 = Other                                | , 7 = Other             |             |               | Water:           |          |         | 5       |                                            |                              |
| Special Instructions U & PPMU            | NO3 FOR                 | 115/1       | ISD           |                  |          |         |         | Water Me                                   | etals Filtered (Yes/No)?     |
| Relinquished by / C                      | Company                 |             | D:            | ate / Tim        |          | Recei   | ved b   |                                            |                              |
| LAK de STAT                              | DNREC                   |             | 417/          | 11/1/4           | 136      | 1)      | -7      | Total Darl.                                | 7858 Ames                    |
| Retinquished by                          | ompany                  |             | D             | ate / Tim        | е        | Recei   | ved/b   |                                            |                              |
| 2)                                       |                         |             |               |                  |          | 2)      |         |                                            |                              |
| Relinquished by                          | Company                 |             | D             | ate / Tim        | е        | Recei   | ved b   | y Comp                                     | any                          |
| 3)                                       |                         |             |               |                  |          | 3)      |         |                                            |                              |
| Relinquished by                          | Company                 |             | D             | ate / Tim        | ie       | Rece    | ived b  | y Comp                                     | any                          |
| 4)                                       |                         |             |               | 1                |          | 4)      |         |                                            |                              |
| Laboratory Certifications: New Jersey    | (12028), New            | York (1     | 1452), F      | Pennsylv         | vania (  | 68-52   | 2), C   | onnecticut (PH-0200), Rhode Is             | land (132). TAL - 0016 (0408 |

Massachusetts (M-NJ312), North Carolina (No. 578)

## APPENDIX G SOIL SAMPLE ANALYTICAL RESULTS

# APPENDIX H GROUNDWATER SAMPLE ANALYTICAL RESULTS

## APPENDIX I DRINKING WATER SAMPLE ANALYTICAL RESULTS

## **CHEMICAL FORM**

Field Blank ID Number:

Delaware Purbalgel Book 16 Doratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| Bar Cc                                                                                                   | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |  |  |  |  |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Collection Time: (military) 1258                                                                         | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |  |  |  |  |
| Collection Date:5/19/10                                                                                  |                                                                                                                        |  |  |  |  |
| PWSID #_PRIVATE Supply Name: Genc Sullenberger_                                                          |                                                                                                                        |  |  |  |  |
| Facility Name: 26107 River Road (For example: Treatment Plant, Sampling Station, or Distribution System) | (For example: TP001, S5001, DS001, or WL001/DNREC ID#)                                                                 |  |  |  |  |
| Sample Point Blade, DE 19973                                                                             | Sample Point #_ outside tap                                                                                            |  |  |  |  |
| AST/Operator # Collector's Name 601 / DE-331Scheers / McCla                                              | (For example: DEP001, MRT001, SP042, or WT001)  Collector's Phone Collector's Fax #  ain741~8630741-8631               |  |  |  |  |
| Free Chlorinemg/L Total Ch                                                                               | lorinemg/L V Not Chlorinated                                                                                           |  |  |  |  |
| pH Field Test Monitoring Schedul                                                                         | le: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                                |  |  |  |  |
| Analyte Group: Please check box of indi                                                                  | vidual test required.                                                                                                  |  |  |  |  |
|                                                                                                          | L CHEM: (mg/L)   Sulfate  Itine Chem. plus: Alk, Hardness, TDS]                                                        |  |  |  |  |
| TRACE: (mg/L)                                                                                            | □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                         |  |  |  |  |
| □ VOCs □ TTHM □ HAA5 □ Pest EPA 524.2 □ EPA 552.2. □ EPA 50                                              | ticides                                                                                                                |  |  |  |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b> □                                                         | □ Radium 226/228 □ Other:                                                                                              |  |  |  |  |

Division of Public Health Office of Drinking Water

Blue Hen Cornorate Center

Blue Hen Corporate Center 655 Bay Road, Suite 203 Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Division of Public Health Laboratory 91 of 169

**Date Collected:** 

05/19/2010 12:58 pr

SCHEERS/MCCLAII

Print Date: 05/24/2010

30 Sunnyside Road

Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S267689 (383009)

Property Owner/Facility: SULLENBERGER, GENE

Collected By:

**PRIVATE** Collector ID: 601

Sample Point: **OUTSIDE TAP Date Received:** 05/20/2010 12:55 pt

> 26107 RIVER RD BLADE, Sampled pH: DE 19973

SP Sample Type: Free CI:

**Chlorination:** Not Chlorinated or **Total CI:** Tested

#### Specimen Note:

Sample Location:

PWSID:

| Test      | Result                                                                                                         | MCL                                                                                | Date Released                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA200.8  | interiore i entre estato de la come en come de la come de la companya de la companya de la companya de la comp | THE ANALYSIS OF THE STREET SECTIONS SECTION AND AND AND AND AND AND AND AND AND AN | to a state of the |
| Uranium   | <0.0005 mg/L                                                                                                   | <=0.03                                                                             | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manganese | 0.2378 mg/L                                                                                                    | <=0.05                                                                             | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Barium    | 0.4015 mg/L                                                                                                    | <=2.0000                                                                           | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Antimony  | <0.0005 mg/L                                                                                                   | <=0.006                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Thallium  | <0.0005 mg/L                                                                                                   | <=0.002                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Selenium  | <0.010 mg/L                                                                                                    | <=0.05                                                                             | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chromium  | 0.0028 mg/L                                                                                                    | <=0.1                                                                              | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lead      | 0.0027 mg/L                                                                                                    | <=0.015                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mercury   | <0.0005 mg/L                                                                                                   | <=0.002                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cadmium   | <0.0005 mg/L                                                                                                   | <=0.005                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Beryllium | 0.0008 mg/L                                                                                                    | <=0.004                                                                            | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Arsenic   | <0.0005 mg/L                                                                                                   | <=0.01                                                                             | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nickel    | 0.0134 mg/L                                                                                                    |                                                                                    | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |





### Delaware Health and Social Services Page 92 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): -S267689-(383009)-Date Collected: 05/19/2010-12:58-pt-

Property Owner/Facility: SULLENBERGER, GENE SCHEERS/MCCLAII Collected By:

PWSID: **PRIVATE** Collector ID: 601

**OUTSIDE TAP Date Received:** 05/20/2010 12:55 pi Sample Point:

Sample Location: 26107 RIVER RD BLADE, Sampled pH:

DE 19973

SP Sample Type: Free CI: Not Chlorinated or Total CI: Chlorination:

Tested

**Specimen Note:** Sample previously released. Sample report ammended to include zinc values as requested by

| Test                    | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA200.8                | TRACTION CONTRACTOR CO | o de la comunicación tales some ser la comunicación de la comunicación | STREET, STREET |
| Arsenic                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Nickel                  | 0.0134 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Beryllium               | 0.0008 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cadmium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Chromium                | 0.0028 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lead                    | 0.0027 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Thallium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Selenium                | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mercury                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Antimony                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uranium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Manganese               | 0.2378 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Previously Reported As: | 0.2378 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Zinc                    | 0.0357 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Barium                  | 0.4015 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=2.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Previously Reported As: | 0.4015 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## CHEMICAL FORM

Delaware Public Health 169 oratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| Bar Code Number:                                                                                | TEST Request:                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F * \$ 2 6 7 6 8 8 *                                                                            | <ul> <li>□ Routine</li> <li>□ Complaint</li> <li>□ Confirmation*</li> <li>X Special</li> <li>□ MRT</li> <li>□ Field Blank</li> <li>□ Split</li> <li>□ Duplicate</li> <li>□ Replacement*</li> </ul> |
| Collection Time: (military) 13 00                                                               | *Confirmation & *Replacement<br>Requires Original Sample #                                                                                                                                         |
| Collection Date:5/19/10                                                                         |                                                                                                                                                                                                    |
| PWSID #PRIVATE Supply N                                                                         | ame: Gene Sullenberger                                                                                                                                                                             |
| Facility Name: 26107 River R (For example: Treatment Plant, Sampling Station, or Distribution S | d blades, DE 19973 Facility # Outside tap  (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                                                                                                  |
| Sample Point <u>or</u>                                                                          | Sample Point # Outside TAP  (For example: DEP001, MRT001, SP042, or W.T001)                                                                                                                        |
|                                                                                                 | ame Collector's Phone Collector's Fax #                                                                                                                                                            |
| 601 / DE-331Scheers /Mo                                                                         | Clain741-8630741-8631                                                                                                                                                                              |
| Free Chlorinemg/L Tota                                                                          | Chlorinemg/L VI Not Chlorinated                                                                                                                                                                    |
| pH Field Test Monitoring Scho                                                                   | edule:   Mthly.   Qtr.  Ann.  Tri.  Oth.                                                                                                                                                           |
| Analyte Group: Please check box of                                                              | individual test required.                                                                                                                                                                          |
| □ ROUTINE: (mg/L) □ F [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,]                  | FULL CHEM: (mg/L)  [Routine Chem. plus: Alk, Hardness, TDS]                                                                                                                                        |
| ☐ TRACE: (mg/L) ☐ N<br>[As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Ti]                             | In Cu Anions [NO <sub>3</sub> , NO <sub>2</sub> , F, CI]                                                                                                                                           |
|                                                                                                 | Pesticides                                                                                                                                                                                         |
| □ 531 □ 504 □ Gross Alph                                                                        | a                                                                                                                                                                                                  |
| Field Blank ID Number:                                                                          | *                                                                                                                                                                                                  |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203
Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Division of Public Health Laboratory 94 of 169

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

S267688 (383008) Label ID (Sample #):

Property Owner/Facility: SULLENBERGER, GENE

**PWSID:** 

**PRIVATE** 

Sample Point:

**OUTSIDE TAP** 

Sample Location:

26107 RIVER RD BLADES,

Sample Type:

SP

**Chlorination:** Not Chlorinated or

Tested

**Date Collected:** 

05/19/2010 1:00 pn

Collected By:

SCHEERS/MCCLAII

Collector ID:

**Date Received:** 

05/20/2010 12:55 pt

Print Date: 05/24/2010

Sampled pH:

Free CI:

Total CI:

Specimen Note:

| Test       | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                      | Date Released                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|
| SM4500CN-F | m - estados de estados de estados en estados de estados entre entre actual de estados de estados de estados entre estados de estados | aan aan an | (1986) e trimbar (arabi in maron mira) pagamente (ala fila es), alam (ina fila alam) |
| Cyanide    | <0.05 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <0.2                                     | 05/21/2010                                                                           |



## **CHEMICAL FORM**

Delaware Pullshigh Resident Lesboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

|                                                                                                          | (302) 223-1520                                                                                                         |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| F * \$ 2 7 0 1 8 3 *                                                                                     | TEST Request:  □ Routine □ Complaint □ Confirmation*  X Special □ MRT □ Field Blank □ Split □ Duplicate □ Replacement* |
| Collection Time: (military) 1304                                                                         | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |
| Collection Date:5/19/10                                                                                  |                                                                                                                        |
| PWSID #PRIVATE Supply Nam                                                                                | e: Gene Sullenbergee                                                                                                   |
| Facility Name: 26107 River Rd.  (For example: Treatment Plant, Sampling Station, or Distribution System) |                                                                                                                        |
| Sample Point Blades, DE 1997:                                                                            | 3 Sample Point # outside tap                                                                                           |
| AST/Operator # Collector's Name                                                                          | (For example: DEP001, MRT001, SP042, or WT001)  Collector's Phone Collector's Fax #                                    |
| 601 / DE-331Scheers / McCla                                                                              | ain741-8630741-8631                                                                                                    |
| Free Chlorinemg/L Total Ch                                                                               | nlorinemg/L 🔁 Not Chlorinated                                                                                          |
| pH Field Test Monitoring Schedu                                                                          | le: 🗆 Mthly. 🗆 Qtr. 🗅 Ann. 🗆 Tri. 🗆 Oth                                                                                |
| Analyte Group: Please check box of indi                                                                  | ividual test required.                                                                                                 |
|                                                                                                          | L CHEM: (mg/L)  Usine Chem. plus: Alk, Hardness, TDS]                                                                  |
| □ TRACE: (mg/L) □ Mn [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Ti]                                        | □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                         |
| VOCs TTHM HAA5 Pes                                                                                       | ticides                                                                                                                |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b> □                                                         | □ Radium 226/228 □ Other:                                                                                              |
| Field Blank ID Number:                                                                                   |                                                                                                                        |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203

655 Bay Road, Suite 203 Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Page 96 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

**Agency:** Office of Drinking Water

-Label-ID-(Sample-#):----\$270183-(383007)----

Property Owner/Facility: SULLENBERGER, GENE

PWSID:

**PRIVATE** 

Sample Point: Sample Location: **OUTSIDE TAP** 

26107 RIVER RD BLADES, DE

Sample Type: SP

Not Chlorinated or

Tested

Date Gollected:

-05/19/2010-1:04-pn-

Collected By:

SCHEERS/MCCLAII

Collector ID:

601

Date Received:

Free CI:

Total CI:

Sampled pH:

05/20/2010 12:55 pi

**Specimen Note:** 

Chlorination:

| Test                       | Result                                               | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Date Released                                                      |
|----------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| EPA524.2                   | ACTOR TO B. THE ST. LEWIS CO. S. A. CONTROL OF SHIP. | per transaction of the second contribution of the second of the feet of the second of | ANTALIANA LA COMPONICIONA CALLINA CONTRACA LA BALLANCA CALANTACAMA |
| 1,2,4-trichlorobenzene     | <0.5 µg/L                                            | <80.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                                                         |
| P-dichlorobenzene          | <0.5 µg/L                                            | <75.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                                                         |
| O-dichlorobenzene          | <0.5 µg/L                                            | <600.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| 1,1,2-trichloroethane      | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Toluene                    | <0.5 µg/L                                            | <1,000.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 05/24/2010                                                         |
| Tetrachloroethylene        | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Chlorobenzene              | <0.5 µg/L                                            | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| Ethylbenzene               | <0.5 µg/L                                            | <700.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| Xylenes                    | <0.5 µg/L                                            | <=10,000.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 05/24/2010                                                         |
| Styrene                    | <0.5 µg/L                                            | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| Cis-1,2-dichloroethylene   | <0.5 µg/L                                            | <70.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                                                         |
| 1,1,1-trichloroethane      | <0.5 µg/L                                            | <200.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| Carbon tetrachloride       | <0.5 μg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| 1,2-dichloropropane        | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Trichloroethylene          | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| 1,2-dichloroethane         | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Benzene                    | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Vinyl Chloride             | <0.5 μg/L                                            | <2.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| 1,1-dichloroethylene       | <0.5 µg/L                                            | <7.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Dichloromethane            | <0.5 µg/L                                            | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                                                         |
| Trans-1,2-dichloroethylene | <0.5 µg/L                                            | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/24/2010                                                         |
| Dichlorodifluormethane     | <0.5 µg/L                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/24/2010                                                         |
| Chloromethane              | <0.5 µg/L                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/24/2010                                                         |
| Bromomethane               | <0.5 µg/L                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/24/2010                                                         |
| Chloroethane               | <0.5 μg/L                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/24/2010                                                         |



Print Date: 05/25/2010



### Delaware Health and Social ServicesPage 97 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S270183 (383007) — Property Owner/Facility: SULLENBERGER, GENE

PWSID:

PRIVATE

Sample Point:

**OUTSIDE TAP** 

Sample Location:

26107 RIVER RD BLADES,

DE

Sample Type: SP

Chlorination: Not Chlorinated or

Tested

Date Collected:

-05/19/2010\_1:04-pn\_

Collected By:

SCHEERS/MCCLAII

Print Date: 05/25/2010

Collector ID:

601

**Date Received:** 05/20/2010 12:55 pi

Sampled pH:

Free CI:

Total CI:

#### Specimen Note:

| Test                           | Result    | MCL                                                              | Date Released |
|--------------------------------|-----------|------------------------------------------------------------------|---------------|
| Trichlorfluoromethane          | <0.5 µg/L | e a companya salah sar banganga - misi di salah salah sar sadi d | 05/24/2010    |
| Methyl tert-butyl ether (MTBE) | <0.5 μg/L |                                                                  | 05/24/2010    |
| 1,1-dichloroethane             | <0.5 μg/L |                                                                  | 05/24/2010    |
| 2,2-dichloropropane            | <0.5 µg/L |                                                                  | 05/24/2010    |
| 1,1-dichloropropene            | <0.5 μg/L |                                                                  | 05/24/2010    |
| Bromodichloromethane           | <0.5 μg/L |                                                                  | 05/24/2010    |
| Dibromomethane                 | <0.5 µg/L |                                                                  | 05/24/2010    |
| Cis-1,3-dichlorpropene         | <0.5 µg/L |                                                                  | 05/24/2010    |
| Chloroform                     | <0.5 μg/L |                                                                  | 05/24/2010    |
| Bromochloromethane             | <0.5 µg/L |                                                                  | 05/24/2010    |
| Trans-1,3-dichloropropene      | <0.5 µg/L |                                                                  | 05/24/2010    |
| 1,3-dichloropropane            | <0.5 µg/L |                                                                  | 05/24/2010    |
| Chlorodibromomethane           | <0.5 µg/L | ¥1                                                               | 05/24/2010    |
| Ethylene dibromide (EDB)       | <0.5 µg/L |                                                                  | 05/24/2010    |
| Bromoform                      | <0.5 µg/L |                                                                  | 05/24/2010    |
| Isopropylbenzene               | <0.5 µg/L |                                                                  | 05/24/2010    |
| 1,1,2,2-tetrachlorethane       | <0.5 µg/L |                                                                  | 05/24/2010    |
| 1,2,3-trichloropropane         | <0.5 µg/L |                                                                  | 05/24/2010    |
| Bromobenzene                   | <0.5 µg/L |                                                                  | 05/24/2010    |
| N-propylbenzene                | <0.5 μg/L |                                                                  | 05/24/2010    |
| O-chlorotoluene                | <0.5 µg/L |                                                                  | 05/24/2010    |
| 1,3,5-trimethylbenzene         | <0.5 µg/L |                                                                  | 05/24/2010    |
| P-chlorotoluene                | <0.5 µg/L |                                                                  | 05/24/2010    |
| Tert-butylbenzene              | <0.5 μg/L |                                                                  | 05/24/2010    |
| 1,2,4-trimethylbenzene         | <0.5 μg/L |                                                                  | 05/24/2010    |
| Sec-butylbenzene               | <0.5 μg/L |                                                                  | 05/24/2010    |





## Delaware Health and Social Services Page 98 of 169

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S270183-(383007)-

Property Owner/Facility: SULLENBERGER, GENE

PWSID:

**PRIVATE** 

Sample Point:

**OUTSIDE TAP** 

Sample Location:

26107 RIVER RD BLADES,

DE SP

Sample Type: Chlorination:

Not Chlorinated or

Tested

Date-Gollected:-

-05/19/2010—1:04-pn-

Collected By:

SCHEERS/MCCLAII

Collector ID:

601

Date Received: Sampled pH:

05/20/2010 12:55 pi

Print Date: 05/25/2010

Free CI: Total CI:

Specimen Note:

| pos-arrange, arrange, and constraints are also as a substant of the property | AND THE RESERVE OF THE SECOND SECURIOR | enga akong georgigan ing manangan kalangan kanangan ang kanangan kanangan kanangan kanangan kanangan kanangan | and antique supply compacts. The property of the second supplying the second |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MCL                                                                                                           | Date Released                                                                |
| P-isopropyItoluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | eranistation (1) (10 mily in 1 mily in 200 and 300 mars (200)                                                 | 05/24/2010                                                                   |
| M-dichlorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |
| 1,1,1,2-tetrachloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |
| N-butylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |
| Dibromochloropropane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                                                                                                             | 05/24/2010                                                                   |
| Hexachlorobutadiene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |
| Naphthalene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |
| 1,2,3-trichlorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | 05/24/2010                                                                   |



## **CHEMICAL FORM**

Field Blank ID Number:

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * \$ 2 6 7 6 9 1 * M                                                                                  | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Collection Time: (military) 1225                                                                        | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |
| Collection Date:5/19/10                                                                                 |                                                                                                                        |
| PWSID #PRIVATE Supply Na                                                                                | me: Pat Erhardt                                                                                                        |
| Facility Name: 24101 Duncan Av<br>(For example: Treatment Plant, Sampling Station, or Distribution Syst | rem) Facility # SWO1, DS001, or WL001/DNREC ID#)                                                                       |
| Sample Point Blades DE 1997                                                                             | Sample Point # OT .  (For example: DEP001, MRT001, SP042, or WT001)                                                    |
| AST/Operator # Collector's Na                                                                           |                                                                                                                        |
| 601 / DE-331Scheers /Mc0                                                                                | Clain741-8630741-8631                                                                                                  |
| Free Chlorinemg/L Total                                                                                 | Chlorinemg/L    Not Chlorinated                                                                                        |
| pH Field Test Monitoring Sched                                                                          | dule:   Mthly.   Qtr.  Ann.  Tri.  Oth                                                                                 |
| Analyte Group: Please check box of in                                                                   | ndividual test required.                                                                                               |
|                                                                                                         | JLL CHEM: (mg/L)  Coutine Chem. plus: Alk, Hardness, TDS]                                                              |
| TRACE: (mg/L)                                                                                           | n □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                       |
|                                                                                                         | esticides                                                                                                              |
| □ 531 □ 504 □ Gross Alpha                                                                               | □ Radium 226/228 □ Other:                                                                                              |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203
Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



# Delaware Health and Social Services Division of Public Health Laboratory 100 of 169

30 Sunnyside Road Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S267691 (383011)

Property Owner/Facility: ERHARDT, PAT

PWSID:

PRIVATE

Sample Point:

OT

Sample Location:

26101 DUNCAN AVE

BLADES, DE

Sample Type:

SP

Chlorination: Not Chlorinated or

Tested

Date Collected:

05/19/2010 12:25 pi

SCHEERS/MCCLAI' I

Collected By: Collector ID: Date Received:

601

05/20/2010 12:55 pt

Print Date: 05/24/2010

Sampled pH:

Free CI:

Total CI:

#### Specimen Note:

| More recent signs to a commence of a section of the commence o |                                                                       |                                                                                                                 |                                                                                                      |                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       | Result                                                                                                          | MCL                                                                                                  | Date Released                                                                              |
| EPA200.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | di di kamangan Propinsi ya makan ya mana kuman mangan yaga di di kama | andressen and and the an element of the element of the angle of the same of the same of the same of the same of | e anne i se a anne a municipi (m. 1945), meng engen en engel, meng en adelgo da en en en engelego en | THE REAL METERS AND AND REAL PROPERTY OF THE PARTY AND |
| Barium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                       | 0.1316 mg/L                                                                                                     | <=2.0000                                                                                             | 05/21/2010                                                                                 |
| Manganese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       | 0.1723 mg/L                                                                                                     | <=0.05                                                                                               | 05/21/2010                                                                                 |
| Uranium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       | <0.0005 mg/L                                                                                                    | <=0.03                                                                                               | 05/21/2010                                                                                 |
| Nickel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                       | 0.0020 mg/L                                                                                                     |                                                                                                      | 05/21/2010                                                                                 |
| Arsenic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 167                                                                   | <0.0005 mg/L                                                                                                    | <=0.01                                                                                               | 05/21/2010                                                                                 |
| Beryllium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       | <0.0005 mg/L                                                                                                    | <=0.004                                                                                              | 05/21/2010                                                                                 |
| Mercury                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±648                                                                  | <0.0005 mg/L                                                                                                    | <=0.002                                                                                              | 05/21/2010                                                                                 |
| Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       | <0.0005 mg/L                                                                                                    | <=0.015                                                                                              | 05/21/2010                                                                                 |
| Chromium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       | 0.0038 mg/L                                                                                                     | <=0.1                                                                                                | 05/21/2010                                                                                 |
| Cadmium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       | <0.0005 mg/L                                                                                                    | <=0.005                                                                                              | 05/21/2010                                                                                 |
| Selenium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       | <0.010 mg/L                                                                                                     | <=0.05                                                                                               | 05/21/2010                                                                                 |
| Antimony                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       | <0.0005 mg/L                                                                                                    | <=0.006                                                                                              | 05/21/2010                                                                                 |
| Thallium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       | <0.0005 mg/L                                                                                                    | <=0.002                                                                                              | 05/21/2010                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                       |                                                                                                                 |                                                                                                      |                                                                                            |



## Delaware Health and Social Service page 101 of 169

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency:

Label ID (Sample #):--<del>S2</del>6**7**691-(383011)-

Property Owner/Facility: ERHARDT, PAT

**PWSID:** 

**PRIVATE** 

Sample Point:

OT 26101 DUNCAN AVE

Sample Location:

BLADES, DE SP

Chlorination:

Specimen Note:

Sample Type:

Not Chlorinated or

Tested

ODW.

Date Collected:

05/19/2010-12:25-pi-

Collected By:

SCHEERS/MCCLAII

Collector ID:

601

**Date Received:** Sampled pH:

05/20/2010 12:55 pt

Print Date: 05/28/2010

Free CI: Total Cl:

Sample previously released. Sample report ammended to include zinc values as requested by

| Test                    | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA200.8                | No district (1) (1) The distriction of the same framework (1) with the property of the same (1) of the same (1 | Carlo Carlo Maria Commission Carlo Maria C | and the interconnection course in a long course of specific time in productions in some significant in the second course of the second |
| Barium                  | 0.1316 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=2.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Previously Reported As: | 0.1316 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Zinc                    | 0.0211 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | < <b>=</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manganese               | 0.1723 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Previously Reported As: | 0.1723 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Uranium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Selenium                | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Thallium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Antimony                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lead                    | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mercury                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chromium                | 0.0038 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Beryllium               | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cadmium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nickel                  | 0.0020 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Arsenic                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## **CHEMICAL FORM**

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| Bar Code Number                                                                                          | (302) 223-1520                                                                                                                                                                                                 |  |  |  |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| F * \$ 2 6 7 6 9 0 *                                                                                     | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Split Duplicate Replacement*                                                                                                        |  |  |  |
| Collection Time: (military) 1223                                                                         | *Confirmation & *Replacement<br>Requires Original Sample #                                                                                                                                                     |  |  |  |
| Collection Date:5/19/10                                                                                  |                                                                                                                                                                                                                |  |  |  |
| PWSID #PRIVATE Supply Nam                                                                                | e: Pat Erhardt                                                                                                                                                                                                 |  |  |  |
| Facility Name: 2010   Duncar Ave (For example: Treatment Plant, Sampling Station, or Distribution System | Facility Name: 26101 Duncan Ave Facility # outside two (For example: Treatment Plant, Sampling Station, or Distribution System)  Facility # outside two (For example: TP001, SS001, DS001, or WL001/DNREC ID#) |  |  |  |
| Sample Point Seaford DE 19973                                                                            | Sample Point # outside tap                                                                                                                                                                                     |  |  |  |
| AST/Operator # Collector's Nam                                                                           | (For example: DEP001, MRT001, SP042, or WT001)  Collector's Phone Collector's Fax #                                                                                                                            |  |  |  |
| 601 / DE-331Scheers /McCl                                                                                | ain741-8630741-8631                                                                                                                                                                                            |  |  |  |
| Free Chlorinemg/L                                                                                        |                                                                                                                                                                                                                |  |  |  |
| Analyte Group: Please check box of individual test required.                                             |                                                                                                                                                                                                                |  |  |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [Routine Chem. plus: Alk, Hardness, TDS]                 |                                                                                                                                                                                                                |  |  |  |
| ☐ TRACE: (mg/L) ☐ Mn [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                                        | □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                                                                                                                 |  |  |  |
| □ VOCs □ TTHM □ HAA5 □ Pes                                                                               | ticides                                                                                                                                                                                                        |  |  |  |
| □ 531 □ 504 □ Gross Alpha                                                                                | □ Radium 226/228 □ Other:                                                                                                                                                                                      |  |  |  |
| Field Blank ID Number:                                                                                   |                                                                                                                                                                                                                |  |  |  |

Division of Public Health Office of Drinking Water Blue Hen Corporate Center 655 Bay Road, Suite 203 Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services

## Division of Public Health Laborat 8 Pg e 103 of 169

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency:

Label ID (Sample #): S267690 (383010)

Property Owner/Facility: ERHARDT, PAT Collected By:

**Date Collected:** 

05/19/2010 12:23 pi SCHEERS/MCCLAII-

601

**PRIVATE** Collector ID:

Date Received:

05/20/2010 12:55 pt

Print Date: 05/24/2010

Sampled pH:

Free CI: Total CI:

Sample Type: Chlorination:

Sample Location:

Sample Point:

PWSID:

Not Chlorinated or

26101 DUNCAN DR.

**OUTSIDE TAP** 

SEAFORD DE

Tested

Specimen Note:

| Test       | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| SM4500CN-F | CONTRACTOR OF THE STATE STATE OF THE STATE O | antinomical representations in the contract of | tan kengama ang kalamatan mengalah ini di dalah ini ini di dalah dalah kengalah dalah sebagai kengalah dalah s |
| Cyanide    | <0.05 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 05/21/2010                                                                                                     |

## **CHEMICAL FORM**

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (302) 223-1520                                                                                          |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|--|--|
| F  S 2 7 0 1 8 4 *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Split Duplicate Replacement* |  |  |  |
| *Confirmation & *Replacement Requires Original Sample #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                         |  |  |  |
| Collection Date:5/19/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                         |  |  |  |
| PWSID #PRIVATE Supply Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                         |  |  |  |
| Facility Name: 24101 Duncan Ave Facility # 5 utside the (For example: Treatment Plant, Sampling Staylon, or Distribution System) Facility # 5 utside the (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |  |  |  |
| Sample Point DE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sample Point #                                                                                          |  |  |  |
| AST/Operator # Collector's Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | e Collector's Phone Collector's Fax #                                                                   |  |  |  |
| 601 / DE-331Scheers / McCla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ain741-8630741-8631                                                                                     |  |  |  |
| Free Chlorinemg/L Total Ch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | nlorinemg/L   Not Chlorinated                                                                           |  |  |  |
| pH Field Test Monitoring Schedu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | le: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                 |  |  |  |
| Analyte Group: Please check box of indi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | vidual test required.                                                                                   |  |  |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [Routine Chem. plus: Alk, Hardness, TDS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |  |  |  |
| ☐ TRACE: (mg/L) ☐ Mn ☐ Cu ☐ Anions ☐ CN [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl] ☐ NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                         |  |  |  |
| VOCS   TTHM   HAA5   Pest   Pe | ticides                                                                                                 |  |  |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b> □                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ☐ Radium 226/228 ☐ Other:                                                                               |  |  |  |
| Field Blank ID Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |  |  |  |

Division of Public Health Office of Drinking Water Blue Hen Corporate Center 655 Bay Road, Suite 203 Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Page 105 of 169

### Division of Public Health Laboratory

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

S270184 (383012) \_\_LabeLID (Sample #):\_ **Date Collected:** 05/19/2010 1:28 pn SCHEERS/MCCLAII

Property Owner/Facility: ERHARDT, PAT Collected By: PWSID:

**PRIVATE** Collector ID: 601

OT Sample Point: **Date Received:** 

05/20/2010 12:55 pi

**Sample Location:** 26101 DUNCAN AVE Sampled pH: SEAFORD DE

Sample Type: SP Free CI: Chlorination: Not Chlorinated or **Total CI:** 

Tested

#### Specimen Note:

| Test                           | Result                                                                                | MCL                                                                                                                | Date Released                                                            |
|--------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| EPA524.2                       | production of settlem areas. The exist of the section in the continue of the settlem. | andere Carriga, pp. 1990 is Enthere in the growth of the control of the definition of the anti-security and the co | Marketin (1) (1) MATERIA SAMERIA (1) AND CONTROL (1) (1) AND CONTROL (1) |
| Dichlorodifluormethane         | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Chloromethane                  | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Bromomethane                   | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Chloroethane                   | ∞ <0.5 µg/L                                                                           |                                                                                                                    | 05/24/2010                                                               |
| Trichlorfluoromethane          | <0.5 µg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Methyl tert-butyl ether (MTBE) | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,1-dichloroethane             | <0.5 µg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 2,2-dichloropropane            | <0.5 µg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,1-dichloropropene            | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Bromodichloromethane           | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Dibromomethane                 | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Cis-1,3-dichlorpropene         | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Chloroform                     | <0.5 μg/L                                                                             | 7.5                                                                                                                | 05/24/2010                                                               |
| Bromochloromethane             | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Trans-1,3-dichloropropene      | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,3-dichloropropane            | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Chlorodibromomethane           | <0.5 μg/L                                                                             | 34                                                                                                                 | 05/24/2010                                                               |
| Ethylene dibromide (EDB)       | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,1,1,2-tetrachloroethane      | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Bromoform                      | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| Isopropylbenzene               | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,1,2,2-tetrachlorethane       | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| 1,2,3-trichloropropane         | <0.5 μg/L                                                                             | -13-14-34-4-4                                                                                                      | 05/24/2010                                                               |
| Bromobenzene                   | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |
| N-propylbenzene                | <0.5 μg/L                                                                             |                                                                                                                    | 05/24/2010                                                               |



**Print Date:** 05/25/2010



# Delaware Health and Social Services age 106 of 169 Division of Public Health Laboratory

30 Sunnyside Road

Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S270184 (383012)

Property Owner/Facility: ERHARDT, PAT

PWSiD:

**PRIVATE** 

Sample Point:

OT

Sample Location:

26101 DUNCAN AVE

SEAFORD DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Date Collected:

05/19/2010 1:28 pn

Collected By:

SCHEERS/MCCLAIL

05/20/2010 12:55 pt

Print Date: 05/25/2010

Collector ID: 601

**Date Received:** 

Sampled pH:

Sampleu pri

Free CI: Total CI:

#### Specimen Note:

| Test                       | Result    | MCL                                                                                                            | Date Released |
|----------------------------|-----------|----------------------------------------------------------------------------------------------------------------|---------------|
| O-chlorotoluene            | <0.5 µg/L | adiesi, arak i uranis aka ili maka aka maka di | 05/24/2010    |
| 1,3,5-trimethylbenzene     | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| P-chlorotoluene            | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Tert-butylbenzene          | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| 1,2,4-trimethylbenzene     | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Sec-butylbenzene           | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| P-isopropyltoluene         | <0.5 μg/L |                                                                                                                | 05/24/2010    |
| M-dichlorobenzene          | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| N-butylbenzene             | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Dibromochloropropane       | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Hexachlorobutadiene        | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Naphthalene                | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| 1,2,3-trichlorobenzene     | <0.5 µg/L |                                                                                                                | 05/24/2010    |
| Trans-1,2-dichloroethylene | <0.5 µg/L | <100.000                                                                                                       | 05/24/2010    |
| Dichloromethane            | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| 1,1-dichloroethylene       | <0.5 µg/L | <7.000                                                                                                         | 05/24/2010    |
| Vinyl Chloride             | <0.5 µg/L | <2.000                                                                                                         | 05/24/2010    |
| 1,2-dichloroethane         | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| Trichloroethylene          | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| 1,2-dichloropropane        | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| Carbon tetrachloride       | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| Benzene                    | <0.5 µg/L | <5.000                                                                                                         | 05/24/2010    |
| 1,1,1-trichloroethane      | <0.5 µg/L | <200.000                                                                                                       | 05/24/2010    |
| Cis-1,2-dichloroethylene   | <0.5 µg/L | <70.000                                                                                                        | 05/24/2010    |
| Styrene                    | <0.5 µg/L | <100.000                                                                                                       | 05/24/2010    |
| P-dichlorobenzene          | <0.5 μg/L | <75.000                                                                                                        | 05/24/2010    |





## Delaware Health and Social Services Page 107 of 169

### Division of Public Health Laboratory

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #); \_\_\_\_S270184 (383012)\_

Property Owner/Facility: ERHARDT, PAT

PWSID:

PRIVATE

Sample Point:

OT

Sample Location:

26101 DUNCAN AVE

SEAFORD DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Date\_Collected:\_

\_05/19/2010\_\_1:28\_pn\_\_

Collected By:

SCHEERS/MCCLAII

Collector ID:
Date Received:

601

05/20/2010 12:55 pt

Sampled pH:

Free CI: Total CI:

Specimen Note:

| TOTAL CONTROL OF A STATE OF A STA |           |              |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|---------------|
| Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Result    | MCL          | Date Released |
| Xylenes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <0.5 μg/L | <=10,000.000 | 05/24/2010    |
| Ethylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.5 µg/L | <700.000     | 05/24/2010    |
| Chlorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <0.5 µg/L | <100.000     | 05/24/2010    |
| Tetrachloroethylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <0.5 µg/L | <5.000       | 05/24/2010    |
| Toluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <0.5 µg/L | <1,000.000   | 05/24/2010    |
| 1,1,2-trichloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.5 µg/L | <5.000       | 05/24/2010    |
| O-dichlorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <0.5 μg/L | <600.000     | 05/24/2010    |
| 1,2,4-trichtorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <0.5 µg/L | <80.000      | 05/24/2010    |

## **CHEMICAL FORM**

Delaware Public 1108 abiful 69 boratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * S 2 6 7 6 9 3 *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Split Duplicate Replacement* |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|
| Collection Time: (military) 3:35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | *Confirmation & *Replacement<br>Requires Original Sample #                                              |  |
| Collection Date:5/19/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |  |
| PWSID #PRIVATE Supply Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                         |  |
| Facility Name: Support Street | Facility # Owtside tap  (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                          |  |
| Sample Point <u>ST</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sample Point # Dwts. L. + (For example: DEP001, MRT001, SP042, or WT001)                                |  |
| AST/Operator # Collector's Nan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ne Collector's Phone Collector's Fax #                                                                  |  |
| 601 / DE-331Scheers / McC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Clain741-8630741-8631                                                                                   |  |
| Free Chlorinemg/L Total (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Chlorinemg/L    Not Chlorinated                                                                         |  |
| pH Field Test Monitoring Sched                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | lule:   Mthly.   Qtr.   Ann.   Tri.   Oth.   Oth.                                                       |  |
| Analyte Group: Please check box of in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | dividual test required.                                                                                 |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [Routine Chem. plus: Alk, Hardness, TDS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                         |  |
| TRACE: (mg/L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | n □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | esticides                                                                                               |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | □ Radium 226/228 □ Other:                                                                               |  |
| Field Blank ID Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                         |  |

Division of Public Health Office of Drinking Water Blue Hen Corporate Center 655 Bay Road, Suite 203 Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Division of Public Health Laboratory 109 of 169

30 Sunnyside Road Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S267693 (383016)

Property Owner/Facility: MOORE, WILLIAM

**PWSID:** 

**PRIVATE** 

Sample Point:

**OUTSIDE TAP** 

Sample Location:

8123 FIRST ST. SEAFORD

Sample Type:

SP

**Chlorination:** 

Not Chlorinated or

Tested

Date Collected:

05/19/2010 1:35 pn

601

Collected By:

SCHEERS/MCCLAII

Collector ID:

Date Received:

05/20/2010 12:55 pi

Print Date: 05/24/2010

Sampled pH:

Free CI:

Total CI:

| Test      | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                                                                        | Date Released                                                     |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| EPA200.8  | and the state of t | Paplaman (1976) a 1976 (no 1976) a selegible entre esta esta Privière mortifica de la sele | e inter a lago sur prior description and an experience in between |
| Barium    | 0.7692 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=2.0000                                                                                   | 05/21/2010                                                        |
| Uranium   | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.03                                                                                     | 05/21/2010                                                        |
| Thallium  | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                    | 05/21/2010                                                        |
| Manganese | 0.1699 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                     | 05/21/2010                                                        |
| Selenium  | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                                                                     | 05/21/2010                                                        |
| Antimony  | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.006                                                                                    | 05/21/2010                                                        |
| Chromium  | 0.0023 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.1                                                                                      | 05/21/2010                                                        |
| Cadmium   | 0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.005                                                                                    | 05/21/2010                                                        |
| Lead      | 0.0009 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.015                                                                                    | 05/21/2010                                                        |
| Mercury   | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                                                                    | 05/21/2010                                                        |
| Arsenic   | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.01                                                                                     | 05/21/2010                                                        |
| Beryllium | 0.0040 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.004                                                                                    | 05/21/2010                                                        |
| Nickel    | 0.0109 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            | 05/21/2010                                                        |



### Delaware Health and Social Service Page 110 of 169

Date Collected:

Collected By:

Collector ID:

Sampled pH:

Free CI:

**Total CI:** 

Date Received:

05/19/2010-1:35 pn-

SCHEERS/MCCLAII

05/20/2010 12:55 pt

601

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

**Label ID (Sample #):** \$267693 (383016)

Property Owner/Facility: MOORE, WILLIAM

PWSID:

**PRIVATE** 

Sample Point:

OUTSIDE TAP

Sample Location:

8123 FIRST ST. SEAFORD

DE SP

Sample Type: Chlorination:

Not Chlorinated or

Tested

Specimen Note:

Sample previously released. Sample report ammended to include zinc values as requested by

ODW.

| Test                    | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                          | Date Released                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------|
| EPA200.8                | ter roomer til de trette skiller i Frankliker i Frankliker i Frankliker i Salander i Sal | ECONOMINATION AND THE TERM THE ARTER AND THE | and the firm of the that etc. After a for standard |
| Arsenic                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.01                                       | 05/28/2010                                         |
| Nickel                  | 0.0109 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | **                                           | 05/28/2010                                         |
| Cadmium                 | 0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.005                                      | 05/28/2010                                         |
| Beryllium               | 0.0040 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.004                                      | 05/28/2010                                         |
| Chromium                | 0.0023 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.1                                        | 05/28/2010                                         |
| Lead                    | 0.0009 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.015                                      | 05/28/2010                                         |
| Antimony                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.006                                      | 05/28/2010                                         |
| Thallium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                      | 05/28/2010                                         |
| Mercury                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                      | 05/28/2010                                         |
| Selenium                | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                       | 05/28/2010                                         |
| Uranium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.03                                       | 05/28/2010                                         |
| Manganese               | 0.1699 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                       | 05/28/2010                                         |
| Previously Reported As: | 0.1699 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                                    |
| Zinc                    | 1.3600 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | < <b>=</b> 5                                 | 05/28/2010                                         |
| Previously Reported As: | 1.2160 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                                    |
| Barium                  | 0. <b>7</b> 692 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <=2.0000                                     | 05/28/2010                                         |
| Previously Reported As: | 0.7692 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |                                                    |



Print Date: 05/28/2010

Field Blank ID Number:

Delaware Paglic 114 allf11 69 boral 30 Sunnyside Ri Smyrna, DE 19977

| Bar Cc<br>F<br>* \$ 2 6 7 6 9 2 *                                                                     | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank     |  |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|
| ODW                                                                                                   | □ Split □ Duplicate □ Replacement*                                                      |  |
| Collection Time: (military) 1345                                                                      | *Confirmation & *Replacement<br>Requires Original Sample #                              |  |
| Collection Date:5/19/10                                                                               |                                                                                         |  |
| PWSID #PRIVATE Supply Na                                                                              | me: William Moore                                                                       |  |
| Facility Name: Stafford DE 1997 (For example: Treatment Plant, Sampling Station, or Distribution Syst | Facility #                                                                              |  |
| Sample Point outside tap                                                                              | Sample Point # OT                                                                       |  |
| AST/Operator # Collector's Nar                                                                        | (For example: DEP001, MRT001, SP042, or WT001)  The Collector's Phone Collector's Fax # |  |
| 601 / DE-331Scheers /McC                                                                              | Clain741-8630741-8631                                                                   |  |
| Free Chlorinemg/L Total (                                                                             | Chlorinemg/L   Not Chlorinated                                                          |  |
| pH Field Test Monitoring Sched                                                                        | lule:   Mthly.   Qtr.  Ann.  Tri.  Oth                                                  |  |
| Analyte Group: Please check box of in                                                                 | dividual test required.                                                                 |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [Routine Chem. plus: Alk, Hardness, TDS]              |                                                                                         |  |
| ☐ TRACE: (mg/L) ☐ Mi [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                                     | n □ Cu □ Anions □ CN □ [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                      |  |
|                                                                                                       | esticides                                                                               |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b>                                                        | □ Radium 226/228 □ Other:                                                               |  |

**Division of Public Health Office of Drinking Water Blue Hen Corporate Center** 655 Bay Road, Suite 203

Dover, DE 19901



## Delaware Health and Social Services

# Division of Public Health Laboratory 112 of 169

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

**Label ID (Sample #):** S267692 (383014)

Property Owner/Facility: MOORE, WILLIAM

PWSID:

PRIVATE

Sample Point:

OT

Sample Location:

8123 FIRST STREET

SEAFORD DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Date Collected:

05/19/2010 1:45 pn

Collected By:

SCHEERS/MCCLAII-

Print Date: 05/24/2010

Collector ID:

601

Date Received:

05/20/2010 12:55 pi

Sampled pH:

ballipied pi

Free CI:

Total CI:

| Test       | Result     | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SM4500CN-F |            | wassers and a street of the second of the se | TO STORE THE TRANSPORT OF THE PROPERTY OF THE |
| Cyanide    | <0.05 mg/L | <0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | .05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



Field Blank ID Number:

Delaware Pablic I Haboratory
30 Sunnyside Road
Smyrna, DE 19977
(302) 223-1520

| Bar Co                                                                                                | TEST Request:  □ Routine □ Complaint □                                         |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| * S 2 7 0 1 8 5 *                                                                                     | X Special   MRT   Field Blank                                                  |
| ODW                                                                                                   | ☐ Split ☐ Duplicate ☐ Replacement*                                             |
| Collection Time: (military) /3 50                                                                     | *Confirmation & *Replacement<br>Requires Original Sample #                     |
| Collection Date:5/19/10                                                                               |                                                                                |
| PWSID #PRIVATE Supply Name                                                                            | ne: William Moore                                                              |
| Facility Name: Stand De 196 (For example: Treatment Plant, Sampling Station, or Distribution Systems) | Facility # outlide tap  (For example: TP001, SS001, DS001, or WL001/DNREC ID#) |
| Sample Point OT                                                                                       | Sample Point # OT                                                              |
| AST/Operator # Collector's Nam                                                                        | re Collector's Phone Collector's Fax #                                         |
| 601 / DE-331Scheers /McC                                                                              | lain741-8630741-8631                                                           |
| Free Chlorinemg/L Total C                                                                             | Chlorinemg/L Not Chlorinated                                                   |
| pH Field Test Monitoring Sched                                                                        | ule:   Mthly.   Qtr.   Ann.   Tri.   Oth                                       |
| Analyte Group: Please check box of inc                                                                | dividual test required.                                                        |
| □ ROUTINE: (mg/L) □ FU [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,] □ [Ro                 | LL CHEM: (mg/L)  Dutine Chem. plus: Alk, Hardness, TDS]                        |
| ☐ <b>TRACE: (mg/L)</b> ☐ <b>Mn</b> [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                       | □ Cu □ Anions □ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                 |
| VOCs   TTHM   HAA5   Per                                                                              | sticides                                                                       |
| □ 531 □ 504 □ Gross Alpha                                                                             | □ Radium 226/228 □ Other:                                                      |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203

Dover, DE 19901



## Delaware Health and Social Service Sage 114 of 169 Division of Public Health Laboratory

Date Collected:

Date Received:

Collected By:

Collector ID:

Sampled pH:

Free CI:

05/19/2010 1:50 pn

SCHEERS/MCCLAII

05/20/2010 12:55 pi

Print Date: 05/25/2010

601

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency:

Label ID (Sample #): \$270185 (383015)

Property Owner/Facility: MOORE, WILLIAM

PWSID:

**PRIVATE** 

**Sample Point:** 

OT

Sample Location:

8123 FIRST ST SEAFORD

DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Total CI:

| Test                       | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| EPA524.2                   | NATIONAL AND DEPOSIT OF A STATE O | STORES OF THE PART WAS ALL DESCRIPTION TO SERVICE STATE OF THE STATE OF THE SERVICE STATE STA | menticeten entre a tiberala en |
| O-dichlorobenzene          | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <600.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| 1,2,4-trichlorobenzene     | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <80.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                     |
| 1,1,2-trichloroethane      | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Toluene                    | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <1,000.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 05/24/2010                     |
| Chlorobenzene              | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| Tetrachloroethylene        | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Ethylbenzene               | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <700.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| Xylenes                    | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <=10,000.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 05/24/2010                     |
| P-dichlorobenzene          | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <75.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                     |
| Styrene                    | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| Cis-1,2-dichloroethylene   | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <70.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/24/2010                     |
| 1,1,1-trichloroethane      | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <200.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| Carbon tetrachloride       | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| 1,2-dichloropropane        | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Trichloroethylene          | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| 1,2-dichloroethane         | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Benzene                    | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Vinyl Chloride             | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <2.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| 1,1-dichloroethylene       | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <7.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Dichloromethane            | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/24/2010                     |
| Trans-1,2-dichloroethylene | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <100.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/24/2010                     |
| Dichlorodifluormethane     | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                     |
| Chloromethane              | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                     |
| Bromomethane               | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                     |
| Chloroethane               | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                     |





# Delaware Health and Social Services age 115 of 169

# **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S270185 (383015)\_

Property Owner/Facility: MOORE, WILLIAM

PWSID:

PRIVATE

Sample Point:

OT

Sample Location:

8123 FIRST ST SEAFORD

DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Date Collected:

05/19/2010 1:50 pn SCHEERS/MCCLAII

Collected By:

Date Received:

Sampled pH:

Collector ID: 601

05/20/2010 12:55 pt

Print Date: 05/25/2010

Free CI:

Total CI:

| Гest                           | Result    | MCL *                                                                                      | Date Released |
|--------------------------------|-----------|--------------------------------------------------------------------------------------------|---------------|
| Trichlorfluoromethane          | <0.5 µg/L | and the set of the relative value of all matters ( $\delta_{\rm c}$ ) is the fortherm ( ). | 05/24/2010    |
| Methyl tert-butyl ether (MTBE) | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,1-dichloroethane             | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 2,2-dichloropropane            | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,1-dichloropropene            | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Bromodichloromethane           | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Dibromomethane                 | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Cis-1,3-dichlorpropene         | <0.5 μg/L | 4,                                                                                         | 05/24/2010    |
| Chloroform                     | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Bromochloromethane             | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Trans-1,3-dichloropropene      | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,3-dichtoropropane            | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Chlorodibromomethane           | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Ethylene dibromide (EDB)       | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Bromoform                      | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Isopropylbenzene               | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,1,2,2-tetrachlorethane       | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,2,3-trichloropropane         | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Bromobenzene                   | <0.5 µg/L |                                                                                            | 05/24/2010    |
| N-propylbenzene                | <0.5 µg/L |                                                                                            | 05/24/2010    |
| O-chlorotoluene                | <0.5 µg/L | £                                                                                          | 05/24/2010    |
| 1,3,5-trimethylbenzene         | <0.5 µg/L |                                                                                            | 05/24/2010    |
| P-chlorotoluene                | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Tert-butylbenzene              | <0.5 µg/L |                                                                                            | 05/24/2010    |
| 1,2,4-trimethylbenzene         | <0.5 µg/L |                                                                                            | 05/24/2010    |
| Sec-butylbenzene               | <0.5 μg/L |                                                                                            | 05/24/2010    |





# Delaware Health and Social Services age 116 of 169

SCHEERS/MCCLAII

05/20/2010 12:55 pi

Print Date: 05/25/2010

**Division of Public Health Laboratory** 

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

S270185 (383015) Label.ID (Sample #):\_ **Date Collected:** 05/19/<u>2</u>010 1:50 pn

Property Owner/Facility: MOORE, WILLIAM

Collected By: **PRIVATE** Collector ID: 601

**Sample Point:** OT Date Received:

**Sample Location:** 8123 FIRST ST SEAFORD Sampled pH:

DE SP

Sample Type: Free CI: **Chlorination:** Total CI: Not Chlorinated or

#### Specimen Note:

**PWSID:** 

| Test                      | Result    | MCL                                                                                                  | Date Released |
|---------------------------|-----------|------------------------------------------------------------------------------------------------------|---------------|
| P-isopropyltoluene        | <0.5 µg/L | grande in a silan il kladi e ilik dekembera (1900) ilik iliya ilik ilik ilik ilik ilik ilik ilik ili | 05/24/2010    |
| M-dichlorobenzene         | <0.5 µg/L |                                                                                                      | 05/24/2010    |
| 1,1,1,2-tetrachloroethane | <0.5 µg/L |                                                                                                      | 05/24/2010    |
| N-butylbenzene            | <0.5 µg/L |                                                                                                      | 05/24/2010    |
| Dibromochloropropane      | <0.5 μg/L |                                                                                                      | 05/24/2010    |
| Hexachlorobutadiene       | <0.5 µg/L |                                                                                                      | 05/24/2010    |
| Naphthalene               | <0.5 µg/L |                                                                                                      | 05/24/2010    |
| 1,2,3-trichlorobenzene    | <0.5 µg/L |                                                                                                      | 05/24/2010    |

Delaware Pplalic Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * \$ 2 6 7 6 8 0 *                                                                     | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |  |  |  |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Collection Time: (military) 13 57                                                        | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |  |  |  |
| Collection Date:5/19/10                                                                  |                                                                                                                        |  |  |  |
| PWSID #_PRIVATE Supply No 26017 River Rd Facility Name:Sector DE                         | Facility # OT (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                                                   |  |  |  |
| Sample Point Outside the                                                                 |                                                                                                                        |  |  |  |
| ě                                                                                        | (For example: DEP001, MRT001, SP042, or WT001)  The Collector's Phone Collector's Fax #                                |  |  |  |
| 601 / DE-331Scheers / Mc                                                                 | Clain741-8630741-8631                                                                                                  |  |  |  |
| Free Chlorinemg/L Total                                                                  | Chlorinemg/L   Not Chlorinated                                                                                         |  |  |  |
| pH Field Test Monitoring Sche                                                            | edule: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                             |  |  |  |
| Analyte Group: Please check box of i                                                     | ndividual test required.                                                                                               |  |  |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [Routine Chem. plus: Alk, Hardness, TDS] |                                                                                                                        |  |  |  |
| ☐ TRACE: (mg/L) ☐ M<br>[As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                      | In $\square$ Cu $\square$ Anions $\square$ CN $[NO_3, NO_2, F, Cl]$                                                    |  |  |  |
|                                                                                          | Pesticides                                                                                                             |  |  |  |
| □ 531 □ 504 □ Gross Alpha                                                                | a □ Radium 226/228 □ Other:                                                                                            |  |  |  |
| Field Blank ID Number:                                                                   |                                                                                                                        |  |  |  |

Division of Public Health Office of Drinking Water Blue Hen Corporate Center 655 Bay Road, Suite 203 Dover, DE 19901



# Delaware Health and Social Services Page 118 of 169 Division of Public Health Laboratory

30 Sunnyside Road Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

**Agency:** Office of Drinking Water

**Label ID (Sample #):** S267680 (383029)

Property Owner/Facility: WILLIAM CANNON

PWSID: PRIVATE

Sample Point: OT

Sample Location: OUTSIDE TAP 26017

RIVER RD

Sample Type: SP

Not Chlorinated or

Tested

**Date Collected:** 

05/19/2010 1:57 pn

Collected By:

MCCLAIN/SCHEER:

Print Date: 05/24/2010

Collector ID: DE331

Date Received: 05/20/2010 12:55 pi

Sampled pH:

oumpiou pri

Free CI: Total CI:

Specimen Note:

Chlorination:

| Test      | Result       | MCL                                                                                                                       | Date Released                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------|--------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EPA200.8  |              | m ann a' <b>sa bha an</b> , a' caire na dhean <b>ann ann a mha</b> an an e a' ca e e e a cair ann ann ann an each e an fa | and we would be to be a set to the management of the set of the paper of the set of the |
| Nickel    | 0.0059 mg/L  |                                                                                                                           | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Beryllium | 0.0007 mg/L  | <=0.004                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Arsenic   | <0.0005 mg/L | <=0.01                                                                                                                    | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mercury   | <0.0005 mg/L | <=0.002                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lead      | 0.0032 mg/L  | <=0.015                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chromium  | 0.0031 mg/L  | <=0.1                                                                                                                     | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cadmium   | 0.0016 mg/L  | <=0.005                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Antimony  | <0.0005 mg/L | <=0.006                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Selenium  | <0.010 mg/L  | <=0.05                                                                                                                    | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manganese | 0.1469 mg/L  | <=0.05                                                                                                                    | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Thallium  | <0.0005 mg/L | <=0.002                                                                                                                   | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Uranium   | <0.0005 mg/L | <=0.03                                                                                                                    | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Barium    | 0.2417 mg/L  | <=2.0000                                                                                                                  | 05/21/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



## Delaware Health and Social Services age 119 of 169

Date-Collected:

Collected By:

Collector ID:

Sampled pH:

Free CI:

**Total CI:** 

**Date Received:** 

-05/19/2010---1:57-pn-

MCCLAIN/SCHEER:

05/20/2010 12:55 pt

Print Date: 05/28/2010

**DE331** 

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S267680 (383029)

Property Owner/Facility: WILLIAM CANNON

PWSID:

**PRIVATE** 

Sample Point:

OT

Sample Location:

OUTSIDE TAP 26017

RIVER RD

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Specimen Note:

Sample previously released. Sample report ammended to include zinc values as requested by

ODW.

| Гest                    | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| EPA200.8                | THE STREET, STATE | A STATE OF THE STA | o , who will a training the many a many a |
| Barium                  | 0.2417 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=2.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/28/2010                                |
| Previously Reported As: | 0.2417 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>1-2.0000</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 00/20/2010                                |
| Zinc                    | 6.9500 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 05/28/2010                                |
| Previously Reported As: | 5.8916 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| Thallium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Manganese               | 0.1469 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                |
| Previously Reported As: | 0.1469 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| Uranium                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                |
| Selenium                | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                |
| Antimony                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Lead                    | 0.0032 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Mercury                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Chromium                | 0.0031 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05/28/2010                                |
| Cadmium                 | 0.0016 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Beryllium               | 0.0007 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/28/2010                                |
| Arsenic                 | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/28/2010                                |
| Nickel                  | 0.0059 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/28/2010                                |

Delaware คุมปฏิ ฟุลปฏิ นุลปูจาสขาง 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| Desir College   1/04/04/14/04/14/04/04/04/04/04/04/04/04/04/04/04/04/04                                                                            | (302) 223-1320                                                                 |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--|--|--|
| Bar Cd F                                                                                                                                           | TEST Request:  □ Routine □ Complaint □ Confirmation*                           |  |  |  |
| * \$ 2 6 7 6 7 9 ***  C. N                                                                                                                         | X Special                                                                      |  |  |  |
| L N                                                                                                                                                | □ Split □ Duplicate □ Replacement*                                             |  |  |  |
| Collection Time: (military) 1355                                                                                                                   | *Confirmation & *Replacement<br>Requires Original Sample #                     |  |  |  |
| Collection Date:5/19/10                                                                                                                            |                                                                                |  |  |  |
| PWSID #_PRIVATE Supply Name 26017 River Rd.                                                                                                        | e: William Cannon                                                              |  |  |  |
| Facility Name: Sectord DE  (For example: Treatment Plant, Sampling Station, or Distribution System)                                                | Facility # OUTSIDE TAP  (For example: TP001, SS001, DS001, or WL001/DNREC ID#) |  |  |  |
| Sample Point ot                                                                                                                                    | Sample Point # OT (For example: DEP001, MRT001, SP042, or WT001)               |  |  |  |
| AST/Operator # Collector's Name                                                                                                                    |                                                                                |  |  |  |
| 601 / DE-331Scheers / McCla                                                                                                                        | ain741-8630741-8631                                                            |  |  |  |
| Free Chlorinemg/L Total Ch                                                                                                                         | llorinemg/L                                                                    |  |  |  |
| pH Field Test Monitoring Schedu                                                                                                                    | le: 🗆 Mthly. 🗅 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                        |  |  |  |
| Analyte Group: Please check box of indi                                                                                                            | vidual test required.                                                          |  |  |  |
| □ ROUTINE: (mg/L) □ FULL CHEM: (mg/L) □ Sulfate [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,] □ Routine Chem. plus: Alk, Hardness, TDS] |                                                                                |  |  |  |
| ☐ TRACE: (mg/L) ☐ Mn [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                                                                                  | ☐ Cu ☐ Anions ☐ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                 |  |  |  |
| □ VOCs □ TTHM □ HAA5 □ Pest EPA 524.2 □ EPA 50                                                                                                     | ticides                                                                        |  |  |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b> □                                                                                                   | Radium 226/228                                                                 |  |  |  |
| Field Blank ID Number:                                                                                                                             |                                                                                |  |  |  |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203
Dover, DE 19901



# Delaware Health and Social Services Page 121 of 169 Division of Public Health Laboratory

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S267679 (383030)

Property Owner/Facility: WILLIAM CANNON

PWSID:

PRIVATE

26017 RIVER ROAD

Sample Point:

OT

Sample Location: Sample Type:

SD.

Chlorination:

Not Chlorinated or

Tested

**Date Collected:** 

05/19/2010 1:55 pn

05/20/2010 12:55 pt

Print Date: 05/24/2010

Collected By:

MCCLAIN, DANNY DE331

Collector ID: DE33

Date Received:

Sampled pH:

Free CI:

Total CI:

Specimen Note:

 Test
 Result
 MCL
 Date Released

 SM4500CN-F
 SM4500CN-F
 <0.2</td>
 05/21/2010



Field Blank ID Number:

Delaware Palalici Mealth & boratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| Bar C F * \$ 2 7 0 1 8 6 *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Split Duplicate Replacement* |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| and the second s |                                                                                                         |
| Collection Time: (military) 13:59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | *Confirmation & *Replacement Requires Original Sample #                                                 |
| Collection Date:5/19/10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                         |
| PWSID #_PRIVATE Supply Not 24017 River Road Facility Name: Seaford Dt 199 (For example: Treatment Plant, Sampling Station, or Distribution Sy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sample Point #                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (For example: DEP001, MRT001, SP042, or WT001)  me Collector's Phone Collector's Fax #                  |
| 601 / DE-331Scheers / Mc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Clain741-8630741-8631                                                                                   |
| Free Chlorinemg/L Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Chlorinemg/L   Not Chlorinated                                                                          |
| pH Field Test Monitoring Sche                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dule:   Mthly.   Qtr.  Ann.  Tri.  Oth.                                                                 |
| Analyte Group: Please check box of i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ndividual test required.                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ULL CHEM: (mg/L)   Routine Chem. plus: Alk, Hardness, TDS]                                              |
| ☐ TRACE: (mg/L) ☐ M<br>[As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | In   Cu   Anions   [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | esticides                                                                                               |
| □ 531 □ 504 □ Gross Alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | □ Radium 226/228 □ Other:                                                                               |

Division of Public Health Office of Drinking Water
Blue Hen Corporate Center
655 Bay Road, Suite 203
Dover, DE 19901



# Delaware Health and Social Services Page 123 of 169

Collected By:

SCHEERS/MCCLAII

05/20/2010 12:55 pi

**Print Date:** 05/25/2010

601

Division of Public Health Laboratory 123

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S270186 (383017) Date Col.ècted: 05/19/2010 1:59 pn

Property Owner/Facility: CANNON, WILLIAM

PWSID: PRIVATE Collector ID:

Sample Point: OT Date Received:

Sample Location: 26017 RIVER RD Sampled pH:

SEAFORD DE
Sample Type: SP Free CI:

Chlorination: Not Chlorinated or Tested Tested

| Test                           | Result                                                              | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released                                                               |
|--------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| EPA524.2                       | "nemericalisee in a - 1 and the feet not allowing stations of the a | e Man (1) kill (no. ) in the proportion ( ) indicably impaged to the little of the lit | and all properties that all a areal many an experience of the first and all |
| Dichlorodifluormethane         | <0.5 μg/L                                                           | 1 822                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05/24/2010                                                                  |
| Chloromethane                  | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Bromomethane                   | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Chloroethane                   | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Trichlorfluoromethane          | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Methyl tert-butyl ether (MTBE) | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,1-dichloroethane             | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 2,2-dichloropropane            | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,1-dichloropropene            | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Bromodichloromethane           | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Dibromomethane                 | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Cis-1,3-dichlorpropene         | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Chloroform                     | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Bromochloromethane             | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Trans-1,3-dichloropropene      | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,3-dichloropropane            | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Chlorodibromomethane           | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Ethylene dibromide (EDB)       | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,1,1,2-tetrachloroethane      | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Bromoform                      | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Isopropylbenzene               | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,1,2,2-tetrachlorethane       | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| 1,2,3-trichloropropane         | <0.5 μg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| Bromobenzene                   | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |
| N-propylbenzene                | <0.5 µg/L                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/24/2010                                                                  |





# Delaware Health and Social Services age 124 of 169

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

<u>Label ID (Sample #): S270186 (383017)</u>

Property Owner/Facility: CANNON, WILLIAM

PWSID: Sample Point: PRIVATE OT

Sample Location:

26017 RIVER RD

SEAFORD DE

Sample Type:

SF

**Chlorination:** 

Not Chlorinated or

Tested

Date Collected:

05/19/2010 1:59 pn

Collected By:

SCHEERS/MCCLAII

Collector ID: 601

Date Received:

Sampled pH:

05/20/2010 12:55 pt

Free CI:

Free CI:

| Test                       | Result            | MCL                                                     | Date Released |
|----------------------------|-------------------|---------------------------------------------------------|---------------|
| O-chlorotoluene            | <0.5 µg/L         | our stage the early transference from the armore it may | 05/24/2010    |
| 1,3,5-trimethylbenzene     | <0.5 µg/L         |                                                         | 05/24/2010    |
| P-chlorotoluene            | <0.5 µg/L         |                                                         | 05/24/2010    |
| Tert-butyIbenzene          | <0.5 µg/L         |                                                         | 05/24/2010    |
| 1,2,4-trimethylbenzene     | <0.5 µg/L         |                                                         | 05/24/2010    |
| Sec-butylbenzene           | <0.5 µg/L         |                                                         | 05/24/2010    |
| P-isopropyltoluene         | <0.5 µg/L         |                                                         | 05/24/2010    |
| M-dichlorobenzene          | <0.5 µg/L         |                                                         | 05/24/2010    |
| N-butylbenzene             | <0.5 µg/L         |                                                         | 05/24/2010    |
| Dibromochloropropane       | <0.5 µg/L         |                                                         | 05/24/2010    |
| Hexachlorobutadiene        | <0.5 µg/L         |                                                         | 05/24/2010    |
| Naphthalene                | <0.5 µg/L         | -                                                       | 05/24/2010    |
| 1,2,3-trichlorobenzene     | <0.5 µg/L         |                                                         | 05/24/2010    |
| Vinyl Chloride             | <0.5 µg/L         | <2.000                                                  | 05/24/2010    |
| Trans-1,2-dichloroethylene | <0.5 µg/L         | <100.000                                                | 05/24/2010    |
| Cis-1,2-dichloroethylene   | <0.5 µg/L         | <70.000                                                 | 05/24/2010    |
| 1,1-dichloroethylene       | <0.5 µg/L         | <7.000                                                  | 05/24/2010    |
| Dichloromethane            | <0.5 µg/L         | <5.000                                                  | 05/24/2010    |
| Benzene                    | <0.5 µg/L         | <5.000                                                  | 05/24/2010    |
| 1,2-dichloroethane         | <0.5 µg/L         | <5.000                                                  | 05/24/2010    |
| Trichloroethylene          | <0.5 µg/L         | <5.000                                                  | 05/24/2010    |
| 1,2-dichloropropane        | <0.5 µg/L         | <5.000                                                  | 05/24/2010    |
| 1,1,1-trichloroethane      | <0.5 μg/ <b>L</b> | <200.000                                                | 05/24/2010    |
| Carbon tetrachloride       | <0.5 μg/L         | <5.000                                                  | 05/24/2010    |
| P-dichlorobenzene          | <0.5 µg/L         | <75.000                                                 | 05/24/2010    |
| Styrene                    | <0.5 μg/L         | <100.000                                                | 05/24/2010    |





# Delaware Health and Social Services page 125 of 169

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): \_\_\_\_S270186 (383017)\_

Property Owner/Facility: CANNON, WILLIAM

PWSID:

**PRIVATE** 

Sample Point:

OT

Sample Location:

26017 RIVER RD

SEAFORD DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Date Collected:\_

\_\_05/19/2010\_\_1:59\_pn\_\_

Collected By:

Sampled pH:

SCHEERS/MCCLAII

Collector ID: Date Received: 601

05/20/2010 12:55 pt

Print Date: 05/25/2010

- -

Free CI: Total CI:

|                        | Prof. Compression and a profit of the profit |              |               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Test                   | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL          | Date Released |
| Xylenes                | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <=10,000.000 | 05/24/2010    |
| Ethylbenzene           | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <700.000     | 05/24/2010    |
| Tetrachloroethylene    | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <5.000       | 05/24/2010    |
| Chlorobenzene          | <0.5 µg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <100.000     | 05/24/2010    |
| Toluene                | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <1,000.000   | 05/24/2010    |
| 1,1,2-trichtoroethane  | <0.5 μg/ <b>L</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <5.000       | 05/24/2010    |
| 1,2,4-trichlorobenzene | <0.5 μg/ <b>L</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <80.000      | 05/24/2010    |
| O-dichlorobenzene      | <0.5 μg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <600.000     | 05/24/2010    |

Page 127 of 169
Delaware Public Health Laboratory
30 Sunnyside Road
Smyrna, DE 19977
(302) 223-1520

| F  * \$ 2 8 3 7 7 5 *  469876                                                   | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Split Duplicate Replacement*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                       | *Confirmation & *Replacement Requires Original Sample #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Collection Time: (military) 11:5                                                | <u>Lo</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PWSID #_PRIVATE Supply                                                          | Name: Not home                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Facility Name: 26055 (For example: Treatment Plant, Sampling Station, or Distri | Facility #_ ibution System) Facility #_ (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sample Point                                                                    | Sample Point # \(\mathcal{U}\). \(\tau_\). \(\tau_\). \(\tau_\) (For example: DEP001, MRT001, SP042, or WT001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AST/Operator # CollectorDE-331 McCl                                             | AND DESCRIPTION OF THE PROPERTY OF THE PROPERT |
| Free ChlorineXmg/L                                                              | Total ChlorineXmg/L X Not Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| pH Field Test Monitoring                                                        | g Schedule: ☐ Mthly. ☐ Qtr. ☐ Ann. ☐ Tri. ☐ Oth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Analyte Group: Please check bo                                                  | ox of individual test required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| □ ROUTINE: (mg/L)<br>[NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,]   | ☐ FULL CHEM: (mg/L) ☐ Sulfate [Routine Chem. plus: Alk, Hardness, TDS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| X TRACE: (mg/L) [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sl                         | ☐ Mn ☐ Cu ☐ Anions CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| VOCs TTHM HAA5 EPA 524.2 EPA 552.2                                              | Pesticides Herbicides 508 525 EPA 505 EPA 515.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| □ 531 □ 504 □ Gross                                                             | Alpha 🗆 Radium 226/228 🗆 Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Field Blank ID Number:                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Division of Public Health Office of Drinking Water
43 S. DuPont Highway
Dover, DE 19901





## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

**Date Collected:** 

04/28/2011 11:56 at

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency:

S283775 (469076) Label ID (Sample #):

Property Owner/Facility: NOT HOME Collected By: **MCCLAIN** 

**PRIVATE** PWSID: Collector ID: 331 **Sample Point:** W.T. Date Received: 04/29/2011 12:20 pi

**26055 RIVER RD** Sample Location: Sampled pH:

Sample Type: SP Free CI: **Chlorination:** Not Chlorinated or **Total CI:** 

Tested

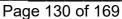
Notes / Comments: ZINC ALSO PLEASE

| Test      | Result       | MCL                                      | Date Released |
|-----------|--------------|------------------------------------------|---------------|
| EPA200.8  |              | 2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2. |               |
| Beryllium | <0.0005 mg/L | <=0.004                                  | 05/05/2011    |
| Chromium  | 0.0040 mg/L  | <=0.1                                    | 05/05/2011    |
| Manganese | 0.0376 mg/L  | <=0.05                                   | 05/05/2011    |
| Nickel    | 0.0017 mg/L  |                                          | 05/05/2011    |
| Zinc      | <0.010 mg/L  | <=5                                      | 05/05/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01                                   | 05/05/2011    |
| Selenium  | <0.010 mg/L  | <=0.05                                   | 05/05/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005                                  | 05/05/2011    |
| Antimony  | <0.0005 mg/L | <=0.006                                  | 05/05/2011    |
| Barium    | 0.0832 mg/L  | <=2.0000                                 | 05/05/2011    |
| Mercury   | <0.0005 mg/L | <=0.002                                  | 05/05/2011    |
| Thallium  | <0.0005 mg/L | <=0.002                                  | 05/05/2011    |
| Lead      | <0.0005 mg/L | <=0.015                                  | 05/05/2011    |
| Uranium   | <0.0005 mg/L | <=0.03                                   | 05/05/2011    |

Page 129 of 169
Delaware Public Health Laboratory
30 Sunnyside Road
Smyrna, DE 19977
(302) 223-1520

| F * \$ 2 8 3 7 7 3 * ODW                                                                            | TEST Request:  Routine Complaint  Special MRT  Duplicate                                                                                                                                                                                                                                                                                                                                                    | □ Field Blank                     |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Collection Date:4/28/2011                                                                           | *Confirmation & *I<br>Requires Origina                                                                                                                                                                                                                                                                                                                                                                      | - 1                               |
| Collection Time: (military)   11.44                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| PWSID #_PRIVATE Supply Name:                                                                        | may me                                                                                                                                                                                                                                                                                                                                                                                                      | alras                             |
| Facility Name: 8103 and 5 (For example: Treatment Plant, Sampling Station, or Distribution Systems) | Facility # | 001L0S001, or WL001/DNREC ID#)    |
| Sample Point                                                                                        | Sample Point #                                                                                                                                                                                                                                                                                                                                                                                              | K.S                               |
| AST/Operator # Collector's Nan                                                                      | (For example:                                                                                                                                                                                                                                                                                                                                                                                               | DEP001, MR (001, SP042, or WT001) |
| DE-331McClain                                                                                       | 382-6704                                                                                                                                                                                                                                                                                                                                                                                                    | 741-8631                          |
| Free Chlorine X mg/L Total C                                                                        | ChlorineXmg/L                                                                                                                                                                                                                                                                                                                                                                                               | X Not Chlorinated                 |
| pH Field Test Monitoring Sched                                                                      | ule: 🗆 Mthly. 🗆 Qtr. 🗆 Ann                                                                                                                                                                                                                                                                                                                                                                                  | ı. □ Tri. □ Oth                   |
| Analyte Group: Please check box of inc                                                              | dividual test required.                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| ·                                                                                                   | LL CHEM: (mg/L)<br>outine Chem. plus: Alk, Hardne                                                                                                                                                                                                                                                                                                                                                           |                                   |
| X TRACE: (mg/L)                                                                                     | ☐ Cu ☐ Anior<br>[NO₃, r                                                                                                                                                                                                                                                                                                                                                                                     | ns CN<br>NO₂, F, Cl]              |
| □ VOCs □ TTHM □ HAA5 □ Pe<br>EPA 524.2 EPA 552.2 EPA                                                | sticides                                                                                                                                                                                                                                                                                                                                                                                                    | 5 3 508 3 525                     |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                           | ☐ Radium 226/228 ☐                                                                                                                                                                                                                                                                                                                                                                                          | Other:                            |
| Field Blank ID Number:                                                                              | _                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901





### Delaware Health and Social Services

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S283773 (469077) Property Owner/Facility: MEADOWS, MARY

PWSID: **PRIVATE** 

**Sample Point:** K.S.

Sample Location: 8103 2ND ST

SP Sample Type:

Not Chlorinated or Chlorination:

Tested

ZINC ALSO PLEASE Notes / Comments:

**Date Collected:** 

04/28/2011 11:44 ar

04/29/2011 12:20 pi

Collected By:

**MCCLAIN** 

Collector ID:

331

**Date Received:** 

Sampled pH:

Free CI:

Total CI:

| Test                   | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCL                                          | Date Released |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------|
| EPA200.8               | an en constituire (in more destruitations) et automotion (in the production of the p | Sec. 100 500 500 500 500 500 500 500 500 500 |               |
| <sup>^</sup> Beryllium | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.004                                      | 05/05/2011    |
| ' Chromium             | <ul><li>0.0031 mg/L</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <=0.1                                        | 05/05/2011    |
| · Manganese            | 0.0136 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                       | 05/05/2011    |
| ·Nickel                | 0.0017 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              | 05/05/2011    |
| Zinc                   | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=5                                          | 05/05/2011    |
| Arsenic                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.01                                       | 05/05/2011    |
| Selenium               | <0.010 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=0.05                                       | 05/05/2011    |
| Cadmium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.005                                      | 05/05/2011    |
| Antimony               | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.006                                      | 05/05/2011    |
| Barium                 | 0.0298 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <=2.0000                                     | 05/05/2011    |
| Mercury                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                      | 05/05/2011    |
| - Thallium             | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.002                                      | 05/05/2011    |
| Lead                   | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.015                                      | 05/05/2011    |
| Uranium                | <0.0005 mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <=0.03                                       | 05/05/2011    |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| * \$ 2 8 3 7 7 1 *<br>**********************************                                                | <ul> <li>□ Routine</li> <li>□ Complaint</li> <li>□ Confirmation*</li> <li>□ Special</li> <li>□ MRT</li> <li>□ Field Blank</li> <li>□ Split</li> <li>□ Duplicate</li> <li>□ Replacement*</li> </ul> |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                                               | *Confirmation & *Replacement<br>Requires Original Sample #                                                                                                                                         |
| Collection Time: (military)                                                                             |                                                                                                                                                                                                    |
| PWSID #_PRIVATE Supply Name:                                                                            | The Coffman                                                                                                                                                                                        |
| Facility Name: 8093 and Sterior (For example: Treatment Plant, Sampling Station, or Distribution System | Facility #                                                                                                                                                                                         |
| Sample Point                                                                                            | Sample Point #                                                                                                                                                                                     |
| AST/Operator # Collector's Nam                                                                          | e Collector's Phone Collector's Fax #                                                                                                                                                              |
| DE-331 McClain                                                                                          | 382-6704741-8631                                                                                                                                                                                   |
| Free ChlorineXmg/L Total Cl                                                                             | hlorineXmg/L X Not Chlorinated                                                                                                                                                                     |
| pH Field Test Monitoring Schedu                                                                         | ıle: 🗆 Mthly. 🗔 Qtr. 🗆 Ann. 🗈 Tri. 🗀 Oth                                                                                                                                                           |
| Analyte Group: Please check box of ind                                                                  | ividual test required.                                                                                                                                                                             |
| ROUTINE: (mg/L)                                                                                         | L CHEM: (mg/L) Sulfate utine Chem. plus: Alk, Hardness, TDS]                                                                                                                                       |
| X TRACE: (mg/L)                                                                                         | ☐ Cu ☐ Anions ☐ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                                                                                                     |
| VOCs TTHM HAA5 Pes                                                                                      | Herbicides 508 525 EPA 515.1                                                                                                                                                                       |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                               | ☐ Radium 226/228 ☐ Other:                                                                                                                                                                          |
| Field Blank ID Number:                                                                                  |                                                                                                                                                                                                    |

**TEST Request:** 



# Delaware Health and Social Service Sage 132 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency:

S283771 (469078) Label ID (Sample #):

Property Owner/Facility: COFFMAN, STEVE

**PWSID: PRIVATE** 

Sample Point: O.T.

8093 2ND ST Sample Location:

Sample Type:

Chlorination: Not Chlorinated or

Tested

Notes / Comments: ZINC ALSO PLEASE

SP

**MCCLAIN** Collected By: 331 **Collector ID:** 

04/28/2011 11:37 ai

04/29/2011 12:20 pt

Date Received: Sampled pH:

**Date Collected:** 

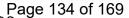
Free CI: **Total CI:** 

| Test      | Result       | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Date Released |
|-----------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| EPA200.8  |              | And the second s |               |
| Beryllium | <0.0005 mg/L | <=0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Chromium  | 0.0033 mg/L  | <=0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05/05/2011    |
| Manganese | 0.0011 mg/L  | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/05/2011    |
| Nickel    | <0.0005 mg/L |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 05/05/2011    |
| Zinc      | <0.010 mg/L  | <=5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 05/05/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/05/2011    |
| Selenium  | <0.010 mg/L  | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/05/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Antimony  | <0.0005 mg/L | <=0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Barium    | <0.010 mg/L  | <=2.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/05/2011    |
| Mercury   | <0.0005 mg/L | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Thallium  | <0.0005 mg/L | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Lead      | <0.0005 mg/L | <=0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/05/2011    |
| Uranium   | <0.0005 mg/L | <=0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/05/2011    |

Page 133 of 169 Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| opw 449079                                                                                            | TEST Request:  □ Routine □ Complaint □ Confirmation*  X Special □ MRT □ Field Blank □ Split □ Duplicate □ Replacement*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                                             | *Confirmation & *Replacement<br>Requires Original Sample #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Collection Time: (military)                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>PWSID</b> #_PRIVATE Supply Name:                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Facility Name: 8081 3nd St. (For example: Treatment Plant, Sampling Station, or Distribution Systems) | Facility #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sample Point                                                                                          | Sample Point # O . (For example: DEP001, MRT001, SP042, or WT001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AST/Operator # Collector's NanDE-331 McClain                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Free ChlorineXmg/L Total C                                                                            | ChlorineXmg/L X Not Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| pH Field Test Monitoring Sched                                                                        | ule: 🗆 Mthly. 🗀 Qtr. 🗆 Ann. 🗅 Tri. 🗆 Oth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Analyte Group: Please check box of inc                                                                | dividual test required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                       | LL CHEM: (mg/L) Sulfate Sulfat |
| X TRACE: (mg/L)                                                                                       | n □ Cu □ Anions CN [NO <sub>3,</sub> NO <sub>2</sub> , F, Cl]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                       | sticides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                             | ☐ Radium 226/228 ☐ Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Field Blank ID Number:                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901





# Delaware Health and Social Services Page 134 of 169 **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283769 (469079)

Property Owner/Facility: COFFMAN, LARRY PWSID:

Sample Point:

**PRIVATE** 

O.T.

Sample Location:

8081 2ND ST

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Notes / Comments:

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 11:29 au

Collected By:

**MCCLAIN** 

Collector ID:

331

Date Received:

04/29/2011 12:20 pi

Sampled pH:

Free CI:

Total CI:

| Test      | Result       | MCL      | Date Released |
|-----------|--------------|----------|---------------|
| EPA200.8  |              |          | 54            |
| Beryllium | 0.0005 mg/L  | <=0.004  | 05/05/2011    |
| Chromium  | 0.0035 mg/L  | <=0.1    | 05/05/2011    |
| Manganese | 0.1653 mg/L  | <=0.05   | 05/05/2011    |
| Nickel    | 0.0051 mg/L  |          | 05/05/2011    |
| Zinc      | 0.0464 mg/L  | <=5      | 05/05/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/05/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/05/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005  | 05/05/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/05/2011    |
| Barium    | 0.2314 mg/L  | <=2.0000 | 05/05/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/05/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/05/2011    |
| Lead      | 0.0021 mg/L  | <=0.015  | 05/05/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/05/2011    |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * \$ 2 8 3 8 1 4 *  469057                                                                     | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Duplicate Replacement*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                                        | *Confirmation & *Replacement<br>Requires Original Sample #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Collection Time: (military) _[O:14]                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PWSID #_PRIVATE Supply Name                                                                      | 1 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Facility Name: 26039 Ruse, & For example: Treatment Plant, Sampling Station, or Distribution Sys | Facility #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sample Point Send DF                                                                             | Sample Point # O   Company   Company |
| AST/Operator # Collector's Na                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DE-331 McClain                                                                                   | 382-6704741-8631                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Free ChlorineXmg/L Total                                                                         | ChlorineXmg/L X Not Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| pH Field Test Monitoring Sche                                                                    | edule: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Analyte Group: Please check box of i                                                             | ndividual test required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| □ ROUTINE: (mg/L) □ F( [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,] □ [I             | ULL CHEM: (mg/L) ☐ Sulfate<br>Routine Chem. plus: Alk, Hardness, TDS]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| X TRACE: (mg/L)                                                                                  | In ☐ Cu ☐ Anions ☐ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, CI]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                  | esticides   Herbicides   508   525                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                        | a ☐ Radium 226/228 ☐ Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Field Blank ID Number:                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901



### Delaware Health and Social Services

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S283814 (469064)

Property Owner/Facility: PASSWATERS, JACK

**PWSID:** 

**PRIVATE** 

Sample Point: Sample Location:

OT/ UNIT 2

**26039 RIVER RD** SEAFORD DE

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 10:14 at

Collected By:

**MCCLAIN** 

Collector ID:

331

**Date Received:** 04/29/2011 12:20 pt

Sampled pH:

Free CI: **Total CI:** 

| Test      | Result       | MCL      | Date Released |
|-----------|--------------|----------|---------------|
| EPA200.8  |              |          |               |
| Beryllium | <0.0005 mg/L | <=0.004  | 05/09/2011    |
| Chromium  | 0.0031 mg/L  | <=0.1    | 05/09/2011    |
| Manganese | 0.0057 mg/L  | <=0.05   | 05/09/2011    |
| Nickel    | 0.0006 mg/L  |          | 05/09/2011    |
| Zinc      | <0.010 mg/L  | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/09/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/09/2011    |
| Barium    | 0.0642 mg/L  | <=2.0000 | 05/09/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Lead      | 0.0038 mg/L  | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/09/2011    |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * \$ 2 8 3 8 1 1 * ODW                                                                           | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Duplicate Replacement* |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                                          | *Confirmation & *Replacement<br>Requires Original Sample #                                        |
| Collection Time: (military)                                                                        |                                                                                                   |
| PWSID #_PRIVATE Supply Name:                                                                       | : John R. Wingaterstr.                                                                            |
| Facility Name: 8140 75+ 55<br>(For example: Treatment Plant, Sampling Station, or Distribution Sys | Facility # <u>leaford</u>                                                                         |
| Sample Point                                                                                       | Sample Point #                                                                                    |
| AST/Operator # Collector's Na                                                                      | (For example: DEP001, MRT001, SP042, or WT001)  me Collector's Phone Collector's Fax #            |
| DE-331                                                                                             | 382-6704 741-8631                                                                                 |
| Free ChlorineXmg/L Total                                                                           | ChlorineXmg/L X Not Chlorinated                                                                   |
| pH Field Test Monitoring Sche                                                                      | dule:   Mthly.   Qtr.   Ann.   Tri.   Oth                                                         |
| Analyte Group: Please check box of in                                                              | ndividual test required.                                                                          |
| □ ROUTINE: (mg/L) □ FU<br>[NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,] □ FU            | ULL CHEM: (mg/L)  Sulfate Routine Chem. plus: Alk, Hardness, TDS]                                 |
| X TRACE: (mg/L)                                                                                    | n                                                                                                 |
|                                                                                                    | esticides                                                                                         |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                          | ☐ Radium 226/228 ☐ Other:                                                                         |
| Field Blank ID Number:                                                                             |                                                                                                   |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901



### Delaware Health and Social Services

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Office of Drinking Water Agency: Label ID (Sample #):

S283811 (469066)

Property Owner/Facility: WINGATER, JOHN SR.

**PWSID:** 

**PRIVATE** 

Sample Point:

OT

Sample Location:

8140 1ST ST SEAFORD DE

Sample Type:

**Chlorination:** 

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

Collector ID:

**MCCLAIN** 

04/28/2011 11:07 at

**Date Collected:** Collected By:

331

**Date Received:** 

04/29/2011 12:20 pr Sampled pH:

Free CI:

**Total CI:** 

| Specimen | Note |
|----------|------|
|----------|------|

| Test      | Result               | MCL      | Date Released |
|-----------|----------------------|----------|---------------|
| EPA200.8  |                      |          |               |
| Beryllium | 0.0007 mg/L          | <=0.004  | 05/09/2011    |
| Chromium  | 0.0242 mg/L          | <=0.1    | 05/09/2011    |
| Manganese | 0.0930 mg/L          | <=0.05   | 05/09/2011    |
| Nickel    | 0.0765 mg/L          |          | 05/09/2011    |
| Zinc      | 0.01 <b>7</b> 2 mg/L | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L         | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L          | <=0.05   | 05/09/2011    |
| Cadmium   | <0.0005 mg/L         | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L         | <=0.006  | 05/09/2011    |
| Barium    | 0.0767 mg/L          | <=2.0000 | 05/09/2011    |
| Mercury   | 0.0010 mg/L          | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L         | <=0.002  | 05/09/2011    |
| Lead      | 0.0019 mg/L          | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L         | <=0.03   | 05/09/2011    |
|           | •                    |          |               |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F<br>* \$ 2 8 3 8 0 9 *<br>i+ GO67                                                         | TEST Request:  □ Routine □ Complaint □ Confirmation*  X Special □ MRT □ Field Blank □ Split □ Duplicate □ Replacement* |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                                                  | *Confirmation & *Replacement Requires Original Sample #                                                                |
| Collection Time: (military) 10.56                                                          |                                                                                                                        |
| PWSID #_PRIVATE Supply Nar                                                                 | me: Pot Erhardt                                                                                                        |
| Facility Name: 26101 June (For example: Treatment Plant, Sampling Station, or Distribution | n System) Facility # Dod DE (For example: TP001, SSAM, DS001, or WL001/DNREC ID#)                                      |
| Sample Point                                                                               | Sample Point # OT (For example: DEP001, MRT001, SP042, or WT001)                                                       |
| AST/Operator # Collector's I                                                               |                                                                                                                        |
| DE-331 McClain                                                                             |                                                                                                                        |
| Free ChlorineXmg/L To                                                                      | tal ChlorineXmg/L X Not Chlorinated                                                                                    |
| pH Field Test Monitoring Sc                                                                | chedule:   Mthly.   Qtr.   Ann.   Tri.   Oth.   Oth.                                                                   |
| Analyte Group: Please check box of                                                         | of individual test required.                                                                                           |
| ROUTINE: (mg/L) [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,]                   | FULL CHEM: (mg/L)   [Routine Chem. plus: Alk, Hardness, TDS]                                                           |
| X TRACE: (mg/L) [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl                                | Mn Cu Anions CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                                            |
| <b>VOCs</b> TTHM HAA5 EPA 552.2                                                            | Pesticides Herbicides 508 3525 EPA 505 EPA 515.1                                                                       |
| □ 531 □ 504 □ Gross Alp                                                                    | ha ☐ Radium 226/228 ☐ Other:                                                                                           |
| Field Blank ID Number:                                                                     |                                                                                                                        |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901



### Delaware Health and Social Services

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283809 (469067)

Property Owner/Facility: ERHARDT, PAT

**PWSID:** 

**PRIVATE** 

Sample Point:

26101 DUNCAN AVE

Sample Location:

SEAFORD DE

Sample Type:

SP

OT

Chlorination:

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 10:56 aı

Collected By:

**MCCLAIN** 

Collector ID:

331

Date Received:

04/29/2011 12:20 pi

Sampled pH:

Free CI: **Total CI:** 

| Test      | Result       | MCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Date Released                                                                                  |  |
|-----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|
| EPA200.8  |              | and the second section of the section | e et en la galla productiva de esta esta esta esta esta en |  |
| Beryllium | <0.0005 mg/L | <=0.004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Chromium  | 0.0029 mg/L  | <=0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 05/09/2011                                                                                     |  |
| Manganese | 0.2179 mg/L  | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/09/2011                                                                                     |  |
| Nickel    | 0.0020 mg/L  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 05/09/2011                                                                                     |  |
| Zinc      | 0.0249 mg/L  | <=5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 05/09/2011                                                                                     |  |
| Arsenic   | <0.0005 mg/L | <=0.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/09/2011                                                                                     |  |
| Selenium  | <0.010 mg/L  | <=0.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/09/2011                                                                                     |  |
| Cadmium   | <0.0005 mg/L | <=0.005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Antimony  | <0.0005 mg/L | <=0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Barium    | 0.1361 mg/L  | <=2.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 05/09/2011                                                                                     |  |
| Mercury   | <0.0005 mg/L | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Thallium  | <0.0005 mg/L | <=0.002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Lead      | <0.0005 mg/L | <=0.015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 05/09/2011                                                                                     |  |
| Uranium   | <0.0005 mg/L | <=0.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 05/09/2011                                                                                     |  |
|           |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                |  |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| * \$ 2 8 3 8 0 7 *                                                                                     | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Duplicate Replacement* |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 469069                                                                                                 | *Confirmation & *Replacement<br>Requires Original Sample #                                        |
| Collection Date:4/28/2011                                                                              | Requires Original Sample #                                                                        |
| Collection Time: (military)iの: リン                                                                      |                                                                                                   |
| PWSID #_PRIVATE Supply Name:                                                                           | Joyce Condill                                                                                     |
| Facility Name: 8/6/1 1 St Stem (For example: Treatment Plant, Sampling Station, or Distribution System | Facility # <u>Soatonol DE</u><br>(For example: TP001, \$5001, DS001, or WL001/DNREC ID#)          |
| Sample Point                                                                                           | Sample Point #                                                                                    |
| AST/Operator # Collector's Name                                                                        | (For example: DEP001, MRT001, SP042, or WT001)  e Collector's Phone Collector's Fax #             |
| DE-331 McClain                                                                                         | 382-6704741-8631                                                                                  |
|                                                                                                        | hlorineXmg/L X Not Chlorinated                                                                    |
| pH Field Test Monitoring Schedu                                                                        | ile: 🗇 Mthly. 🗇 Qtr. 🗇 Ann. 🗇 Tri. 🗇 Oth                                                          |
| Analyte Group: Please check box of ind                                                                 | ividual test required.                                                                            |
| ☐ ROUTINE: (mg/L) ☐ FUL<br>[NO₃, NO₂, Fe, Na, pH, F, Cl,] ☐ [Rou                                       |                                                                                                   |
| X TRACE: (mg/L)  [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl]                                          | ☐ Cu ☐ Anions ☐ CN [NO <sub>3</sub> , NO <sub>2</sub> , F, Cl]                                    |
| VOCs TTHM HAA5 Pes                                                                                     |                                                                                                   |
| □ 531 □ 504 □ Gross Alpha □                                                                            | ☐ Radium 226/228 ☐ Other:                                                                         |
| Field Blank ID Number:                                                                                 | i i                                                                                               |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901



### Delaware Health and Social Services

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283807 (469069)

Property Owner/Facility: CAUDILL, JOYCE

PWSID:

**PRIVATE** 

**Sample Point:** Sample Location:

8161 1ST ST

Sample Type:

SP

OT

**Chlorination:** 

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 10:42 at

Collected By:

**MCCLAIN** 

Collector ID:

331

Date Received:

Sampled pH:

04/29/2011 12:20 pt

Free CI:

Total CI:

| Гest      | Result       | MCL      | Date Released |
|-----------|--------------|----------|---------------|
| EPA200.8  |              |          |               |
| Beryllium | 0.0008 mg/L  | <=0.004  | 05/09/2011    |
| Chromium  | 0.0014 mg/L  | <=0.1    | 05/09/2011    |
| Manganese | 0.2023 mg/L  | <=0.05   | 05/09/2011    |
| Nickel    | 0.0061 mg/L  |          | 05/09/2011    |
| Zinc      | 0.0233 mg/L  | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/09/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/09/2011    |
| Barium    | 0.4221 mg/L  | <=2.0000 | 05/09/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Lead      | 0.0006 mg/L  | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/09/2011    |

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F<br>* \$ 2 8 3 8 0 5 *<br>\$\tau \tau \tau \tau \tau \tau \tau \tau                                  | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |  |  |  |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|--|--|
| *Confirmation & *Replacement  Requires Original Sample #                                              |                                                                                                                        |  |  |  |
| Collection Time: (military) / 0:31                                                                    |                                                                                                                        |  |  |  |
| PWSID #_PRIVATE Supply Name:                                                                          | michella Stanton                                                                                                       |  |  |  |
| Facility Name: 5123 15t 15t (For example: Treatment Plant, Sampling Station, or Distribution Systems) | Facility #                                                                                                             |  |  |  |
| Sample Point Well Tap                                                                                 | Sample Point # W. T (For example: DEP001, MRT001, SP042, or WT001)                                                     |  |  |  |
| AST/Operator # Collector's Nam                                                                        | Collector's Phone Collector's Fax #                                                                                    |  |  |  |
| DE-331 McClain                                                                                        | 382-6704741-8631                                                                                                       |  |  |  |
| Free ChlorineXmg/L Total C                                                                            | ChlorineXmg/L X Not Chlorinated                                                                                        |  |  |  |
| pH Field Test Monitoring Sched                                                                        | ule: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                               |  |  |  |
| Analyte Group: Please check box of inc                                                                | dividual test required.                                                                                                |  |  |  |
| □ ROUTINE: (mg/L) □ FU. [NO <sub>3</sub> , NO <sub>2</sub> , Fe, Na, pH, F, Cl,] □ [Ro                | LL CHEM: (mg/L)  Dutine Chem. plus: Alk, Hardness, TDS]                                                                |  |  |  |
| X TRACE: (mg/L)                                                                                       | ☐ Cu ☐ Anions CN [NO₃, NO₂, F, CI]                                                                                     |  |  |  |
| VOCs TTHM HAA5 Per EPA 552.2 EPA                                                                      | sticides                                                                                                               |  |  |  |
| □ <b>531</b> □ <b>504</b> □ <b>Gross Alpha</b>                                                        | ☐ Radium 226/228 ☐ Other:                                                                                              |  |  |  |
| Field Blank ID Number                                                                                 |                                                                                                                        |  |  |  |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901

04/28/2011 10:31 ai

04/29/2011 12:20 pi

**MCCLAIN** 

Print Date: 05/09/2011

331

**Date Collected:** 

Date Received:

Collected By:

Collector ID:

Sampled pH:

Free CI:

**Total CI:** 



### Delaware Health and Social Services

## **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283805 (469070)

Property Owner/Facility: STANTON, MICHELLE

**PWSID:** 

**PRIVATE** 

**Sample Point:** 

WT

Sample Location:

8123 1ST ST SEAFORD DE

Sample Type:

**Chlorination:** 

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

| •         |              |          |               |
|-----------|--------------|----------|---------------|
| Test      | Result       | MCL      | Date Released |
| EPA200.8  |              |          |               |
| Beryllium | 0.0038 mg/L  | <=0.004  | 05/09/2011    |
| Chromium  | 0.0016 mg/L  | <=0.1    | 05/09/2011    |
| Manganese | 0.1906 mg/L  | <=0.05   | 05/09/2011    |
| Nickel    | 0.0112 mg/L  |          | 05/09/2011    |
| Zinc      | 1.4265 mg/L  | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/09/2011    |
| Cadmium   | 0.0005 mg/L  | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/09/2011    |
| Barium    | 0.8478 mg/L  | <=2.0000 | 05/09/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Lead      | 0.0010 mg/L  | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/09/2011    |
|           |              |          |               |

## **CHEMICAL FORM**

Page 145 of 169 Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

|                                                                                                   | (302) 223-1320                                                                                                         |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| F * \$ 2 8 3 8 0 3 *  ODW 469072                                                                  | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |
| Collection Date:4/28/2011                                                                         | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |
| Collection Time: (military)                                                                       |                                                                                                                        |
| PWSID #_PRIVATE Supply Name:                                                                      |                                                                                                                        |
| Facility Name: 629-6534 (For example: Treatment Plant, Sampling Station, or Distribution Systems) | Facility # (For example: TP001, SS001, DS001, or WL001/DNREC ID#)                                                      |
| Sample Point 26031 River I                                                                        | Sample Point #                                                                                                         |
| AST/Operator # Collector's Nan                                                                    |                                                                                                                        |
| DE-331 McClain                                                                                    | 382-6704741-8631                                                                                                       |
| _                                                                                                 | Chlorine X mg/L X Not Chlorinated                                                                                      |
| Analyte Group: Please check box of inc                                                            | dividual test required.                                                                                                |
| ☐ ROUTINE: (mg/L) ☐ FU                                                                            | ·                                                                                                                      |
| X TRACE: (mg/L)                                                                                   | n □ Cu □ Anions CN [NO₃, NO₂, F, Cl]                                                                                   |
| VOCs TTHM HAA5 Pe                                                                                 | esticides                                                                                                              |
| ☐ 531 ☐ 504 ☐ Gross Alpha                                                                         | ☐ Radium 226/228 ☐ Other:                                                                                              |
| Field Blank ID Number:                                                                            |                                                                                                                        |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228





# Delaware Health and Social Services Page 146 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977 Phone: (302) 223-1520 Fax: (302) 653-2877

Agency: Office of Drinking Water

Label ID (Sample #): S283803 (469072) Property Owner/Facility: ROBERTS, DORTHY

**PWSID:** 

**PRIVATE** 

**Sample Point:** 

OT

Sample Location:

**26031 RIVER RD** 

Sample Type:

Chlorination:

Not Chlorinated or

Tested

Notes / Comments:

**Date Collected:** 

04/28/2011 10:06 aı

Collected By:

**MCCLAIN** 

Print Date: 05/09/2011

Collector ID:

331

Date Received: Sampled pH:

04/29/2011 12:20 pi

Free CI: **Total CI:** 

ZINC

#### **Specimen Note:**

| Test      | Result       | MCL      | Date Released |
|-----------|--------------|----------|---------------|
| EPA200.8  |              |          |               |
| Beryllium | 0.0005 mg/L  | <=0.004  | 05/09/2011    |
| Chromium  | 0.0013 mg/L  | <=0.1    | 05/09/2011    |
| Manganese | 0.0977 mg/L  | <=0.05   | 05/09/2011    |
| Nickel    | 0.0046 mg/L  |          | 05/09/2011    |
| Zinc      | 0.0422 mg/L  | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/09/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/09/2011    |
| Barium    | 0.5250 mg/L  | <=2.0000 | 05/09/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Lead      | 0.0006 mg/L  | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/09/2011    |

# CHEMICAL FORM

Page 147 of 169
Delaware Public Health Laboratory
30 Sunnyside Road
Smyrna, DE 19977
(302) 223-1520

| S<br>ODW * S 2 8 3 8 0 1 *<br>Note: 469074                   | TEST Request:    Routine   Complaint   Confirmation*  X Special   MRT   Field Blank   Split   Duplicate   Replacement* |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                                    | *Confirmation & *Replacement<br>Requires Original Sample #                                                             |
| Collection Time: (military)                                  |                                                                                                                        |
| PWSID #_PRIVATE Supply Nam                                   | ne: William Conno                                                                                                      |
| Facility Name: 628-2                                         | 908 Facility #                                                                                                         |
| Sample Point 26017 River (2                                  | Sample Point #                                                                                                         |
| AST/Operator # Collector's N                                 | (For example: DEP001, MRT001, SP042, or WT001)  Iame Collector's Phone Collector's Fax #                               |
|                                                              |                                                                                                                        |
| Free ChlorineXmg/L Tot                                       | al ChlorineXmg/L X Not Chlorinated                                                                                     |
| pH Field Test Monitoring Sch                                 | nedule: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗆 Tri. 🗆 Oth                                                                            |
| Analyte Group: Please check box of                           | f individual test required.                                                                                            |
|                                                              | FULL CHEM: (mg/L)   [Routine Chem. plus: Alk, Hardness, TDS]                                                           |
| X TRACE: (mg/L) [As, Ba, Be, Cd, Cr, Pb, Hg, Ni, Se, Sb, Tl] | Mn                                                                                                                     |
| □ <b>VOCs</b> □ <b>TTHM</b> □ <b>HAA5</b> □ EPA 552.2        | Pesticides                                                                                                             |
| □ 531 □ 504 □ Gross Alph                                     | na 🗆 Radium 226/228 🗆 Other:                                                                                           |
| Field Blank ID Number:                                       | y v                                                                                                                    |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Page 148 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283801 (469074)

Property Owner/Facility: CANNON, WILLIAM

**PWSID:** 

**PRIVATE** 

**Sample Point:** 

OT

**Sample Location:** 

**26017 RIVER RD** 

Sample Type:

SP

Chlorination:

Not Chlorinated or

Tested

Notes / Comments:

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 9:55 an

04/29/2011 12:20 pt

Collected By:

**MCCLAIN** 

Print Date: 05/09/2011

Collector ID:

331

Date Received:

Sampled pH:

Free CI: Total CI:

**Specimen Note:** 

|           | ************************************** |          |               |  |
|-----------|----------------------------------------|----------|---------------|--|
| rest .    | Result                                 | MCL      | Date Released |  |
| EPA200.8  |                                        |          |               |  |
| Beryllium | 0.0017 mg/L                            | <=0.004  | 05/09/2011    |  |
| Chromium  | 0.0023 mg/L                            | <=0.1    | 05/09/2011    |  |
| Manganese | 0.0823 mg/L                            | <=0.05   | 05/09/2011    |  |
| Nickel    | 0.0071 mg/L                            |          | 05/09/2011    |  |
| Zinc      | 0.3646 mg/L                            | <=5      | 05/09/2011    |  |
| Arsenic   | <0.0005 mg/L                           | <=0.01   | 05/09/2011    |  |
| Selenium  | <0.010 mg/L                            | <=0.05   | 05/09/2011    |  |
| Cadmium   | <0.0005 mg/L                           | <=0.005  | 05/09/2011    |  |
| Antimony  | <0.0005 mg/L                           | <=0.006  | 05/09/2011    |  |
| Barium    | 0.2 <b>7</b> 45 mg/L                   | <=2.0000 | 05/09/2011    |  |
| Mercury   | <0.0005 mg/L                           | <=0.002  | 05/09/2011    |  |
| Thallium  | <0.0005 mg/L                           | <=0.002  | 05/09/2011    |  |
| Lead      | 0.0018 mg/L                            | <=0.015  | 05/09/2011    |  |
| Uranium   | <0.0005 mg/L                           | <=0.03   | 05/09/2011    |  |
|           |                                        |          |               |  |

## CHEMICAL FORM

Delaware Public Health Laboratory 30 Sunnyside Road Smyrna, DE 19977 (302) 223-1520

| F * \$ 2 8 3 7 9 9 * 4690 5                             | TEST Request:  Routine Complaint Confirmation*  X Special MRT Field Blank  Duplicate Replacement* |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Collection Date:4/28/2011                               | *Confirmation & *Replacement<br>Requires Original Sample #                                        |
| Collection Time: (military) 10;21                       |                                                                                                   |
| PWSID #_PRIVATE Supply Name:                            | Marki Dixon                                                                                       |
| Facility Name:                                          | (For example: TP001, SS00, DS001, or WL001/DNREC ID#)                                             |
| Sample Point                                            | Sample Point #                                                                                    |
| AST/Operator # Collector's Name                         | (For example: DEP001, MRT001, SP042, or WT001)  Collector's Phone Collector's Fax #               |
| DE-331 McClain                                          | 382-6704741-8631                                                                                  |
| Free ChlorineXmg/L Total Ch                             | lorineXmg/L X Not Chlorinated                                                                     |
| pH Field Test Monitoring Schedul                        | e: 🗆 Mthly. 🗆 Qtr. 🗆 Ann. 🗈 Tri. 🗆 Oth                                                            |
| Analyte Group: Please check box of indi                 | vidual test required.                                                                             |
| ROUTINE: (mg/L) FULI [Rour                              | L CHEM: (mg/L)   Sulfate tine Chem. plus: Alk, Hardness, TDS]                                     |
| X TRACE: (mg/L)                                         | ☐ Cu ☐ Anions ☐ CN [NO₃, NO₂, F, Cl]                                                              |
| □ VOCs □ TTHM □ HAA5 □ Pest EPA 524.2 EPA 552.2 EPA 509 | ticides                                                                                           |
| ☐ <b>531</b> ☐ <b>504</b> ☐ <b>Gross Alpha</b> ☐        | Radium 226/228                                                                                    |
| Field Blank ID Number:                                  |                                                                                                   |

Division of Public Health Office of Drinking Water 43 S. DuPont Highway Dover, DE 19901

Ph: (302) 741-8630, FAX: (302) 741-8631 or (302) 661-7228



## Delaware Health and Social Services Page 150 of 169

### **Division of Public Health Laboratory**

30 Sunnyside Road Smyrna, Delaware 19977

Phone: (302) 223-1520 Fax: (302) 653-2877

Agency:

Office of Drinking Water

Label ID (Sample #):

S283799 (469075)

Property Owner/Facility: DIXON, MARKI

PWSID:

**PRIVATE** 

Sample Point:

OT

Sample Location:

26100 DUNCAN AVE

Sample Type:

Chlorination:

Not Chlorinated or

Tested

**Notes / Comments:** 

ZINC ALSO PLEASE

**Date Collected:** 

04/28/2011 10:21 at

Collected By:

**MCCLAIN** 

Print Date: 05/09/2011

**Collector ID:** 

331

Date Received: Sampled pH:

04/29/2011 12:20 pi

Free CI:

Total CI:

**Specimen Note:** 

| Test      | Result       | MCL      | Date Released |
|-----------|--------------|----------|---------------|
| EPA200.8  |              |          |               |
| Beryllium | <0.0005 mg/L | <=0.004  | 05/09/2011    |
| Chromium  | 0.0012 mg/L  | <=0.1    | 05/09/2011    |
| Manganese | 0.0408 mg/L  | <=0.05   | 05/09/2011    |
| Nickel    | 0.0025 mg/L  |          | 05/09/2011    |
| Zinc      | 0.0303 mg/L  | <=5      | 05/09/2011    |
| Arsenic   | <0.0005 mg/L | <=0.01   | 05/09/2011    |
| Selenium  | <0.010 mg/L  | <=0.05   | 05/09/2011    |
| Cadmium   | <0.0005 mg/L | <=0.005  | 05/09/2011    |
| Antimony  | <0.0005 mg/L | <=0.006  | 05/09/2011    |
| Barium    | 0.2289 mg/L  | <=2.0000 | 05/09/2011    |
| Mercury   | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Thallium  | <0.0005 mg/L | <=0.002  | 05/09/2011    |
| Lead      | 0.0029 mg/L  | <=0.015  | 05/09/2011    |
| Uranium   | <0.0005 mg/L | <=0.03   | 05/09/2011    |



630 Churchmans Road Newark, Delaware 19702 302-266-9121 + 454-8720 (FAX) WWW.ATLANTICCOASTLABS.COM

#### REPORT OF ANALYSIS

Delaware Division of Public Health

Order Number

A11041628

43 S. Dupont Highway

Project Name:

**ODW** 

Dover, DE 19901

Receive Date:

4/29/2011

Client Code:

DEL\_HEALTH

Attention: Ms. Anita Beckel

The reported results relate only to the samples as received by the laboratory. This report shall not be reproduced except in full without the written permission of the laboratory or client.

The following abbreviations may appear in this report: RL refers to Reporting Limit

N/A refers to Not Applicable

Any organic compound containing (Surr) at the beginning of the compound name is a surrogate compound added to all samples to monitor the analytical process and is reported in % Recovery.

The following data qualifiers may be used in this report. The data qualifier(s) will appear in the qualifier column of this report.

Data Qualifiers:

- B Analyte detected in laboratory blank. Result may be biased high.
- Laboratory Control Sample outside the acceptance criteria.
- X Analyte hold time was exceeded.
- Analyte present. Reported value may not be accurate or precise.
- Surrogate outside acceptance criteria.
- Analyte concentration exceeded the upper limit of calibration curve.

The following tests have a maximum hold time of 15 minutes. If the test is not performed in the field then the result may not be suitable for regulatory purposes. (pH, sulfite, chlorine free, and chlorine total)

Laboratory Accreditations:

State of Delaware - DE00011

State of Pennsylvania - 68-335

State of Maryland - #138

State of New Jersey - DE568

Report comments applicable to this order number appear below:

Approved: Keith a Hanslencht

Reported:

5/13/2011 3:11:41 PM

Page 1 of 5



630 Churchmans Road Newark, Delaware 19702 302-266-9121 \* 454-8720 (FAX) WWW.ATLANTICCOASTLABS.COM

Delaware Division of Public Health

Order Number: A11041628

|                                                  |                  |                                   |                  |                          |                             | (4)                                                                                                                          |
|--------------------------------------------------|------------------|-----------------------------------|------------------|--------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sample # A110416                                 | 28-01            |                                   |                  |                          |                             | Sample Date: 4/28/2011 10:13                                                                                                 |
| Site:<br>Client Sample ID:<br>Sample Comments:   | \$283813<br>None |                                   |                  |                          |                             | Matrix: Drinking Water                                                                                                       |
| Test Cyanide, Distillation Cyanide, Total        |                  | Sesult<br>5/2/11<br>< 0.01        | <u>Qualifier</u> | <u>RL</u><br>N/A<br>0,01 | Units Date Completed mg/L   | Method         Analysis Date         Analyst           EPA 335.4         5/4/2011 10:19:00 AM AWestervelt                    |
| Sample # A110416                                 | 28-02            |                                   |                  |                          |                             | Sample Date: 4/28/2011 10:21                                                                                                 |
| Site:<br>Client Sample ID:<br>Sample Comments:   | S283812<br>None  |                                   |                  | 94                       |                             | Matrix: Drinking Water                                                                                                       |
| <u>Test</u> Cyanide, Distillation Cyanide, Total |                  | <u>Result</u><br>5/2/11<br>< 0.01 | <u>Qualifier</u> | <u>RL</u><br>N/A<br>0.01 | Units  Date Completed  mg/L | Method Analysis Date Analyst  EPA 335.4  EPA 335.4  5/4/2011 10:19:00 AM AWestervelt                                         |
| Sample # A110416                                 | 28-03            |                                   |                  |                          |                             | Sample Date: 4/28/2011 11:06                                                                                                 |
| Site:<br>Client Sample ID:<br>Sample Comments:   | S283810<br>None  |                                   |                  |                          |                             | Matrix: Drinking Water                                                                                                       |
| Test Cyanide, Distillation Cyanide, Total        |                  | S/2/11<br>0.02                    | <u>Oualifier</u> | <u>RL</u><br>N/A<br>0.01 | Units Date Completed mg/L   | Method <u>Analysis Date</u> <u>Analyst</u> EPA 335.4  EPA 335.4  5/4/2011 10:19:00 AM AWeskryelt                             |
| Sample # A110416                                 | 28-04            |                                   | _                |                          |                             | Sample Date: 4/28/2011 10:55                                                                                                 |
| Site: Client Sample ID: Sample Comments:         | S283808<br>None  |                                   |                  |                          |                             | Matrix: Drinking Water                                                                                                       |
| Test Cyanide, Distillation Cyanide, Total        |                  | <u>Result</u><br>5/2/11<br>< 0.01 | Qualifier        | <u>RL</u><br>N/A<br>0.01 | Units  Date Completed mg/L  | Method         Analysis Date         Analyst           EPA 335.4         EPA 335.4         5/4/2011 10:19:00 AM A Westervelt |
| Sample # A110416                                 | 28-05            |                                   |                  | ****                     |                             | Sample Date: 4/28/2011 10:41                                                                                                 |
| Site: Client Sample ID: Sample Comments:         | S283806<br>None  |                                   |                  |                          |                             | Matrix: Drinking Water                                                                                                       |
| Test                                             |                  | Result                            | Qualifier        | RL                       | <u>Units</u>                | Method Analysis Date Analyst                                                                                                 |

Approved: Keith a Handrecht

5/4/11

< 0.01

N/A

0.01

Date Completed

mg/L

Cyanide, Distillation

Cyanide, Total

Reported:

EPA 335.4

EPA 335.4

5/13/2011 3:11:41 PM

5/4/2011 10:19:00 AM A Westervelt

Page 2 of 5



630 Churchmans Road Newark, Delaware 19702 302-266-9121 • 454-8720 (FAX) WWW.ATLANTICCOASTLABS.COM

Delaware Division of Public Health

Order Number: A11041628

Sample # A11041628-06 Sample Date: 4/28/2011 10:30

Site: Matrix: Drinking Water

Client Sample ID: S283804 Sample Comments: None

Test Result Qualifier RL Units Method Analysis Date Analysis

 Cyanide, Distillation
 5/4/11
 N/A
 Date Completed
 EPA 335.4

 Cyanide, Total
 < 0.01</td>
 mg/L
 EPA 335.4
 5/4/2011 10:19:00 AM AWestervelt

Sample # A11041628-07 Sample Date: 4/28/2011 10:05

Site: Matrix: Drinking Water

Client Sample ID: S283802 Sample Comments: None

Test Result Qualifier RL Units Method Analysis Date Analyst

 Cyanide, Distillation
 5/4/11
 N/A
 Date Completed
 EPA 335.4

 Cyanide, Total
 < 0.01</td>
 0.01
 mg/L
 EPA 335.4
 5/4/2011 10:19:00 AM AWestervelt

Sample # A11041628-08 Sample Date: 4/28/2011 9:54

Site: Matrix: Drinking Water

Client Sample ID: S283800 Sample Comments: None

<u>Test</u> <u>Result Qualifier RL Units</u> <u>Method Analysis Date Analyst</u>

 Cyanide, Distillation
 \$5/4/11
 N/A
 Date Completed
 EPA 335.4

 Cyanide, Total
 < 0.01</td>
 0.01
 mg/L
 EPA 335.4
 \$5/4/2011 10:19:00 AM AWestervelt

Sample # A11041628-09 Sample Date: 4/28/2011 11:57

Site: Matrix: Drinking Water

Client Sample ID: S283774
Sample Comments: None

<u>Test</u> <u>Result Qualifier RL Units</u> <u>Method Analysis Date Analyst</u>

 Cyanide, Distillation
 5/4/11
 N/A
 Date Completed
 EPA 335.4

 Cyanide, Total
 < 0.01</td>
 mg/L
 EPA 335.4
 5/4/2011 10:19:00 AM AWestervelt

Sample # A11041628-10 Sample Date: 4/28/2011 11:43

Site: Matrix: Drinking Water

Client Sample ID: S283772 Sample Comments: None

Test Result Qualifier RI, Units Method Analysis Date Analysis

Cyanide, Distillation 5/4/11 N/A Date Completed EPA 335.4

Cyanide, Total < 0.01 0.01 mg/L EPA 335.4 5/4/2011 10:19:00 AM AWestervelt

Approved: Kiti a. Hanskrecht Reported: 5/13/2011 3:11:41 PM

Page 3 of 5



630 Churchmans Road Newark, Delaware 19702 302-266-9121 · 454-8720 (FAX) WWW.ATLANTICCOASTLABS.COM

Delaware Division of Public Health

Order Number: A11041628

Sample # A11041628-11

Sample Date: 4/28/2011 11:36

Site:

Site:

<u>Test</u>

Matrix: Drinking Water

Client Sample ID:

S283770

Sample Comments: None

<u>Test</u>

**Qualifier** Result

RL Units Method

Analysis Date

Matrix: Drinking Water

Analyst

Cyanide, Distillation Cyanide, Total

5/6/11 < 0.01 N/A Date Completed 0.01 mg/L

EPA 335.4 EPA 335.4

5/11/2011 3:11:00 PM AWestervelt

Sample # A11041628-12

Sample Date: 4/28/2011

11:28

Client Sample ID:

S283768

Sample Comments:

Result

RL

Qualifier

Units

Method

Analysis Date

Analyst

Cyanide, Distillation Cyanide, Total

5/6/11 < 0.01

N/A 0.01

Date Completed me/L

EPA 335.4 EPA 335.4

5/11/2011 3:11:00 PM AWestervelt

Approved:

Keith a Hansbrecht

Reported:

5/13/2011 3:11:41 PM

Page 4 of 5

Atiantic Coast
Laboratories Inc.
630 Churchmans Road
Newark, Delaware 19702
ACLI@atlanticcoastlabs.com
302-266-9121 454-8720 (FAX)

## SAFE DRINKING WATER ACT (SDWA) CHAIN OF CUSTODY RECORD STATE OF DELAWARE

DHSS
OFFICE OF DRINKING WATER
Blue Hen Corporate Center
655 Bay Road, Suite 203
Dover, DE 19901
302-741-8630 741-8631 (FAX)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | Preservative  | NH10          | Na <sub>2</sub> 5 <sub>2</sub> O <sub>2</sub> | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HOSK              | Na.S.O.           | 2mL HCL            | Water Supply Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|---------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C               | ontainer Type |               | Clear Vial                                    | Clear Vial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Plastic           | Amber G.          | Amber G.           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | Volume        | 40 rd.        | 40 mL                                         | 40 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8 02              | 11                | 11                 | 1. ODG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 14 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100             |               |               | 2                                             | The state of the s | W HARLING         |                   | WILLIAM P          | ٧٠٠٠١٥٠                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | sis Requested | HA45          | 504                                           | 505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cyanide           | 515               | 525                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Barcode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date            | Time          |               | ไรบกาไ                                        | per of Contak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ners for one sac  | npie slip         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 223813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4/23/11         | 10:13         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                 |                   | 1                  | JACK PASSWOTES 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 233712                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 14/38/1         | 10:23         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                 |                   | 1,000,000          | Marki Bixon 2616                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 283810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4/18/11         | 11:06         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    | John & Wingute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 28380%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4/23/8/         | 10:55         |               |                                               | # 1 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                 |                   |                    | Paterkant 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 283 806                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4/23/11         | 10:41         | 750 A STORES  |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | 4554              |                    | Jones Coudell 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 283804                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | and the second  | 10:30         | 4.4.          |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   | j.                 | Michelle Stanton                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 283802                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4/28/11         | 10.05         |               |                                               | 10.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                 |                   |                    | Dortha Repents 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 28380D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 0954          |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1_                | i                 |                    | William Canesa 260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 283774                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | - / / 4-5// 1.1 | 11:57         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    | Not Home 26055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 283772                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 11:43         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    | mary Medores 3103                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 5283270                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | 11.34         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                 |                   |                    | Strut Coltman 209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 283763                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11/28/11-       | 11.23         |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   | A THE STREET SHIPS | Larry Column 8081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| managanan a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |               |               |                                               | Same 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                   | i los              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |               |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   | il <sub>ogie</sub> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| The second secon |                 | 00/2          | Orde          | rID: A                                        | 110416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 28                |                   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| The second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |               | į             |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    | • • • • • • • • • • • • • • • • • • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |               | _             | <b>清雅</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TO ASS AREACH     |                   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| and the same of the same                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 | d             | y a describer | 111111111111111111111111111111111111111       | ուկումայնունու                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | mi nai issiiiilii |                   |                    | A page of the second se |
| to a successive successive filters was                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | 1             |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7 7 7             |                   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - 3-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | ļ             | b:,,,         | <del></del>                                   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | ,·                | _                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | <u> </u>      |               | <u>!</u>                                      | <u>L. ì</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | <u> </u>          | <u>.i</u>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - Paramana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |               |               |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | inquished By:   |               | Date:         | Time:                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Receive           | ed By:            |                    | Date: Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Jason 4777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |               | 4/27/11       | 17.01                                         | Rela Ko                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | fact .            | بالماسان والماسات |                    | 4/33/11 17.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bura                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 17 130 450      | A.            | 4/29/1        | 930                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AZZA              | ومعيد وه دود را   |                    | 412914 2730                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 9/00          |               | 7/29/11       | 14:25                                         | _6-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | Dag.              |                    | 1 4/24/1 16:25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ,               |               | 1.1 91 "      |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                   |                    | T. Control of the con |

| CLIENT REQUEST/COMPLAINT                                                                                         |
|------------------------------------------------------------------------------------------------------------------|
| Originator: Luty                                                                                                 |
| Date Initiated:                                                                                                  |
| Submitted To: Quality Assurance Manager Operations Manager Technical Director (Circle one)                       |
| Date Submitted:  Del fleath. — DNREC.  Nature of Request/Problem (Provide a Brief Description):  John, Cargill G |
| A 11041628-3 hit cyanide 0.02 Stoite.de.us                                                                       |
| pls ck # - limit is 0.01                                                                                         |
| if ok- muds copies of data/QC                                                                                    |
| Actions Taken:  OC chack Ska4  Dada provided                                                                     |

#### CYANIDE ANALYSIS

Date/Time of Anlaysis 04-May-11 10:19 File Name:

C050411.FDT

Analyst:

Reviewed by:

LFB Conc.

0.206

ICV Conc. 0.200

| Sample<br>Identification | <u>Cup</u><br>Number | Sample<br>Type | Manual<br>Dilution | Weight | Result      | Units | MDL   | Comments |      | RPD / % | LFB and<br>CCV %<br>Recovery | QC Status | Total or Free Cyanide (Circle One) |
|--------------------------|----------------------|----------------|--------------------|--------|-------------|-------|-------|----------|------|---------|------------------------------|-----------|------------------------------------|
| cal std 0.50 mg/L        | 1                    | CalStd         | 1                  | 1      | 6170368.000 | uv-s  |       |          |      |         |                              |           | T∳tal Free                         |
| cal std 0.20 mg/l        | 2                    | CalStd         | 1                  | 1      | 2790144.000 | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.10 mg/L        | 3                    | CalStd         | 1                  | 1      | 1474086.000 | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.05 mg/l        | 4                    | CalStd         | 1                  | 1      | 747238.000  | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.02 mg/l        | 5                    | CalStd         | 1                  | 1      | 324109.000  | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.01 mg/l        | 6                    | CalStd         | 1                  | 1      | 188058.000  | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.005 mg/l       | 7                    | CalStd         | 1                  | 1      | 110541.000  | uv-s  |       |          |      |         |                              |           | Total Free                         |
| cal std 0.000 mg/l       | 8                    | CalStd         | 1                  | 1      | 0.000       | uv-s  |       |          |      |         |                              |           | Total Free                         |
| ccv2                     | 4                    | AbsChkSt       | 1                  | 1      | 0.050       | mg/L  | 0.005 |          |      |         | 99%                          | PASS      | Total Free                         |
| ccb                      | 8                    | Blank          | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         | 805                          | EATC      | Total Free                         |
| icv                      | 9                    | AbsChkSt       | 1                  | 1      | 0.220       | mg/L  | 0.005 |          |      |         | 110%                         | PASS      | Total Free                         |
| icb                      | 8                    | Blank          | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              | PASS      | Total Free                         |
| blk 4/29/11              | 1                    | Blank          | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              |           | Total Free                         |
| lfb                      | 2                    | RelChkStd      | 1                  | 1      | 0.219       | mg/L  | 0.005 |          |      |         | 106%                         | PASS      | To al Free                         |
| a11041572-02             | 3                    | Dup1           | 1                  | 1      | ND          | mg/L  | 0.005 |          |      | 121     |                              |           | Total Free                         |
| a11041572-02             | 4                    | Dup2           | 1                  | 1      | ND          | mg/L  | 0.005 |          | 0.0% |         |                              |           | Total Free                         |
| a11041572-02             | 5                    | Spiked         | 1                  | 1      | 0.173       | mg/L  | 0.005 |          |      | 84%     |                              |           | Total Free                         |
| a11041370-04             | 6                    | Unknown        | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              | 2         | Total Free                         |
| a11041373-04             | 7                    | Unknown        | 1                  | 1      | ND          | mg/L  | 0.005 |          |      | 1       |                              |           | Total Free                         |
| a11041415-03             | 8                    | Unknown        | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              |           | Total Free                         |
| a11041482-02             | 9                    | Unknown        | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              |           | Total Free                         |
| a11041577-04             | 10                   | Unknown        | 1                  | 1      | ND          | mg/L  | 0.005 |          |      |         |                              |           | Total Free                         |
| blk 5/2/11               | 11                   | Blank          | 50                 | 1      | ND          | mg/L  | 0.25  |          |      |         |                              |           | Total Free                         |
| Ifb                      | 12                   | RelChkStd      | 50                 | 1      | 0.206       | mg/L  | 0.25  |          |      |         | 100%                         | PASS      | Total Free                         |

#### CYANIDE ANALYSIS

Date/Time of Anlaysis 04-May-11 10:19 File Name; C050411.FDT

Analyst: ...

Amy Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

LFB Conc. 0.206

ICV Conc. 0.200

| <u>Sample</u><br>Identification | <u>Cup</u><br>Number | Sample<br>Type | Manual<br>Dilution | Weight | Result | <u>Units</u> | MDL   | Comments |        | RPD / % | LFB and<br>CCV %<br>Recovery | QC Status | Total or Free Cyanide (Circle One) |
|---------------------------------|----------------------|----------------|--------------------|--------|--------|--------------|-------|----------|--------|---------|------------------------------|-----------|------------------------------------|
| a11041341-01 solid              | 13                   | Dup1           | 50                 | 1      | 0.257  | mg/L         | 0.25  |          |        |         |                              |           | To al Free                         |
| a11041341-01 solid              | 14                   | Dup2           | 50                 | 1      | 0.320  | mg/L         | 0.25  |          | -21.7% |         |                              |           | Total Free                         |
| a11041341-01 solid              | 15                   | Spiked         | 50                 | 1      | 9.622  | mg/L         | 0.25  |          |        | 90%     |                              |           | To al Free                         |
| 1104020-01a solid               | 16                   | Unknown        | 50                 | 1      | ND     | mg/L         | 0.25  |          |        |         |                              |           | Total Free                         |
| blk 5/2/11                      | 17                   | Blank          | 1                  | 1      | ND     | mg/L         | 0.005 | 1        |        |         |                              | v v       | Total Free                         |
| lfb                             | 18                   | RelChkStd      | 1                  | 1      | 0.200  | mg/L         | 0.005 | × .      |        |         | 97%                          | PASS      | Total Free                         |
| a11041579-05                    | 19                   | Dup1           | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| a11041579-05                    | 20                   | Dup2           | 1                  | 1      | ND     | mg/L         | 0.005 |          | 0.0%   |         |                              |           | Total Free                         |
| a11041579-05                    | 21                   | Spiked         | 1                  | 1      | 0.209  | mg/L         | 0.005 |          |        | 101%    |                              |           | Total Free                         |
| a11041617-03                    | 22                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| CCV-Cyanide                     | 2                    | AbsChkSt       | 1                  | 1      | 0.202  | mg/L         | 0.005 |          |        |         | 101%                         | PASS      | Total Free                         |
| CCB-Cyanide                     | 8                    | Blank          | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              | PASS      | Total Free                         |
| a11041628-01                    | 23                   | Unknown        | 1                  | 1      | NĎ     | mg/L         | 0.005 | 1.0      |        |         |                              |           | To al Free                         |
| a11041628-02                    | 24                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| a11041628-03                    | 25                   | Unknown        | 1                  | 1      | 0.017  | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| a11041628-04                    | 26                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| bik 5/4/11                      | 27                   | Blank          | 1                  | 1      | NÖ     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| lfb                             | 28                   | RelChkStd      | 1                  | 1      | 0.215  | mg/L         | 0.005 |          |        |         | 104%                         | PASS      | Total Free                         |
| a11041628-05                    | 29                   | Dup1           | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |
| a11041628-05                    | 30                   | Dup2           | , 1                | 1      | ND     | mg/L         | 0.005 |          | 0.0%   |         |                              |           | Total Free                         |
| a11041628-05                    | 31                   | Spiked         | 1                  | 1      | 0.203  | mg/L         | 0.005 |          |        | 99%     |                              |           | Total Free                         |
| a11041628-06                    | 32                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          | 1      |         |                              |           | Total Free                         |
| a11041628-07                    | 33                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | To al Free                         |
| a11041628-08                    | 34                   | Unknown        | 1                  | 1      | ND     | mg/L         | 0.005 |          |        |         |                              |           | Total Free                         |

#### CYANIDE ANALYSIS

Date/Time of Anlaysis 04-May-11 10:19

File Name

C050411.FDT

Analyst; Reviewed by: \_

Amy

Date: \_\_\_

LFB Conc. 0.206

ICV Conc.

0.200

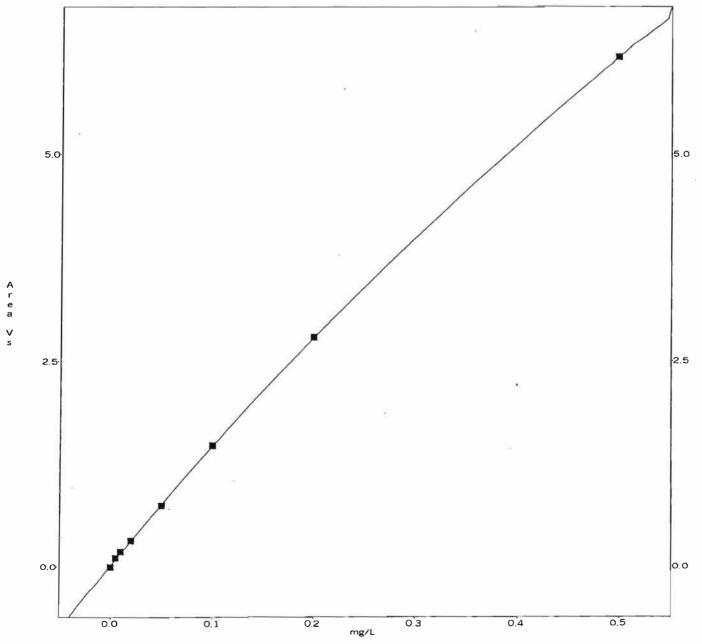
| Sample_<br>identification | <u>Cup</u><br>Number | Sample<br>Type    | Manual<br>Dilution | Weight | Result | Units | MDL   | Comments |      | RPD / % | LFB and<br>CCV %<br>Recovery | QC Status | Total or Free  Cyanide (Circle One) |
|---------------------------|----------------------|-------------------|--------------------|--------|--------|-------|-------|----------|------|---------|------------------------------|-----------|-------------------------------------|
| a11041628-09              | 35                   | Unknown           | 1                  | 1      | ND     | mg/L  | 0.005 |          |      |         |                              |           | Total Free                          |
| a11041628-10              | 36                   | Unknown           | 1                  | 1      | ND     | mg/L  | 0.005 |          | Ogn. |         |                              | ==        | Total Free                          |
| CCV-Cyanide               | 2                    | AbsChk <b>S</b> t | 1                  | 1      | 0.201  | mg/L  | 0.005 |          |      |         | 100%                         | PASS      | Total Free                          |
| CCB-Cyanide               | 8                    | Blank             | 1                  | 1      | ND     | mg/L  | 0.005 |          |      |         |                              | PASS      | Total Free                          |

Cyanide, Total

| v1 | Area    | ոց/Ն  | Rep 1   | Rep 2 | Rep 3 | Rep 4 | Rep 5 | Replic<br>STD | Replic<br>8 RSD | Residual<br>2nd Poly |
|----|---------|-------|---------|-------|-------|-------|-------|---------------|-----------------|----------------------|
| 1  | 6170368 | 0.500 | 6170368 |       |       |       |       | 0.0           | 0.0             | 0.0                  |
| 2  | 2790144 | 0.200 | 2790144 |       |       |       | 1.60  | 0.0           | 0.0             | -0.1                 |
| 3  | 1474086 | 0.100 | 1474086 |       |       |       |       | 0.0           | 0.0             | -0.1                 |
| 4  | 747238  | 0.050 | 747238  |       |       |       |       | 0.0           | 0.0             | 2.6                  |
| 5  | 324109  | 0.020 | 324109  |       |       |       |       | 0.0           | 0.0             | -0.4                 |
| 6  | 188058  | 0.010 | 188058  |       |       |       |       | 0.0           | 0.0             | ~10.9                |
| 7  | 110541  | 0.005 | 110541  |       |       |       |       | 0.0           | 0.0             | -20.1                |
| 8  | 0       | 0.000 | 0       |       |       |       |       | 0.0           | 0.0             |                      |

2nd Order Poly Cono = 2.665e-015 Area + 6.477e-008 Area - 1.189e-003 r = 1.0000

Scaling: None - Weighting: None



Printed: Wednesday, May 04, 2011 - 10:59 AM

Creator: Amy

Creation Date: May 4, 2011 8:04:47 Last Modified: May 4, 2011 9:28:26 Description: Cyanide-Distilled

| Cup# | Sample ID          | Manual Dilution | Sample Type |       |
|------|--------------------|-----------------|-------------|-------|
| 1    | cal std 0.50 mg/L  | 1.0000          | CalStd      |       |
| 2    | cal std 0.20 mg/l  | 1.0000          | CalStd      |       |
| 3    | cal std 0.10 mg/L  | 1.0000          | CalStd      |       |
| 4    | cal std 0.05 mg/l  | 1.0000          | CalStd      |       |
| 5    | cal std 0.02 mg/l  | 1.0000          | CalStd      |       |
| 6    | cal std 0.01 mg/l  | 1.0000          | CalStd      |       |
| 7    | cal std 0.005 mg/l | 1.0000          | CalStd      |       |
| 8    | cal std 0.000 mg/l | 1.0000          | CalStd      |       |
| 1    | blk 4/29/11        | 1.0000          | Blank       |       |
| 2    | lfb                | 1.0000          | RelChkStd   |       |
| 3    | a11041572·02       | 1.0000          | Dup1        |       |
| 4    | a11041572-02       | 1.0000          | Dup2        |       |
| 5    | a11041572-02       | 1.0000          | Spiked      |       |
| 6    | a11041370-04       | 1.0000          | Unknown     |       |
| 7    | a11041373-04       | 1.0000          | Unknown     |       |
| 8    | a11041415-03       | 1.0000          | Unknown     |       |
| 9    | a11041482-02       | 1.0000          | Unknown     |       |
| 10   | a11041577-04       | 1.0000          | Unknown     |       |
| 11   | blk 5/2/11         | 50.0000         | Blank       | 451   |
| 12   | Ifb                | 50.0000         | RelChkStd   |       |
| 13   | a11041341-01 solid | 50.0000         | Dup1        |       |
| 14   | a11041341-01 solid | 50.0000         | Dup2        |       |
| 15   | a11041341-01 solid | 50.0000         | Spiked      |       |
| 16   | 1104020-01a solid  | 50.0000         | Unknown     | LE .  |
| 17   | blk 5/2/11         | 1.0000          | Blank       |       |
| 18   | Ifb .              | 1.0000          | RelChkStd   |       |
| 19   | a11041579-05       | 1.0000          | Dup1        |       |
| 20   | a11041579-05       | 1.0000          | Dup2        |       |
| 21   | a11041579-05       | 1.0000          | Spiked      |       |
| 22   | a11041617-03       | 1.0000          | Unknown     |       |
| 23   | a11041628-01       | 1.0000          | Unknown     |       |
| 24   | a11041628-02       | 1.0000          | Unknown     |       |
| 25   | a11041628-03       | 1.0000          | Unknown     |       |
| 26   | a11041628-04       | 1.0000          | Unknown     |       |
| 27   | blk 5/4/11         | 1.0000          | Blank       |       |
| 28   | Ifb                | 1.0000          | RelChkStd   |       |
| 29   | a11041628-05       | 1.0000          | Dup1        |       |
| 30   | a11041628-05       | 1.0000          | Dup2        |       |
|      | a11041628-05       | 1.0000          | Spiked      | (197) |
| 32   | a11041628-06       | 1.0000          | Unknown     |       |

## Page 164 of 169

### Page 2

| Cup # | Sample ID    | Manual Dilution | Sample Type |
|-------|--------------|-----------------|-------------|
| 33    | a11041628-07 | 1.0000          | Unknown     |
| 34    | a11041628·08 | 1.0000          | Unknown     |
| 35    | a11041628-09 | 1.0000          | Unknown     |
| 36    | a11041628-10 | 1.0000          | Unknown     |

## CYANIDE DISTILLATION LOGBOOK

|       |            | ¥             | .*.                                   |            |                |     |         |             |           | ۸۰ | nalysis        |
|-------|------------|---------------|---------------------------------------|------------|----------------|-----|---------|-------------|-----------|----|----------------|
| Block | Sample     | 3             |                                       | , (        | Chlorin        | e S | Sulfide | <u> </u>    | Volume/Wt |    | otal or        |
| Pos.  |            | Sample Number | Date/Time of Diges                    | stion I    | Presen         | t P | resen   | t 'pH Check | Digested  |    | ree)           |
| 1-1   | Blk        |               | 5-2-11 13:0                           | $\infty$ , | Y Q            | Υ   | (I)     | _12         | <u> </u>  | G  | ) F            |
| 1-2   | L:FB       |               |                                       |            | YN             | Y   | 14      | _1a         |           | +  | F              |
| 1-3   | · S1       | A11041579-05  |                                       | `          | r M            | Υ   | h       |             |           | +  | F              |
| 1-4   | S1 dup     |               |                                       | \          | 1              | Υ   | h       |             | ,         | +  | F              |
| 1-5   | S1 spk     |               |                                       | \          | 1              | Υ   | N       | 4           |           | t  | <sup>S</sup> F |
| 1-6   | S2         | A11041617-03  | ×                                     | \          | 1              | Υ   | W       | 9           |           | f  | F              |
| 1-7   | S3         | 411041632-01  |                                       | Y          | 1              | Υ   | 14      | 9           |           | f  | F              |
| 1-8   | <b>S</b> 4 | A11041628-02  |                                       | Y          | 1              | Υ   | h       | 9           |           | +  | F              |
| 1-9   | S5         | A11041628-03  |                                       | Y          | 4              | Υ   | h       | 9.          |           | f  | F              |
| 1-10  | S6         | A11041628-04  | · · · · · · · · · · · · · · · · · · · | Y          | Mr.            | Υ   | W       | 9           | _\/       | P  | F              |
| ·2-1  | S7         |               |                                       | Y          | N              | Υ   | Ν       |             |           | Τ  | F              |
| 2-2   | S8         |               | ¥;                                    | Y          | Ν              | Υ   | Ν       | ·           |           | Т  | F              |
| 2-3   | S9         | •             |                                       | Y          | Ν              | Υ   | Ν       | <u> </u>    |           | Т  | F              |
| 2-4   | S10        |               |                                       | Y          | Ν              | Υ   | Ν       | g)          |           | Т  | F              |
| 2-5   | Blk        |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Т  | F              |
| 2-6   | LFB .      |               |                                       | Y          | <sub>a</sub> N | Υ   | Ν       |             |           | Τ  | F              |
| 2-7   | S11        |               |                                       | <u> </u>   | Ν              | Υ   | N .     |             |           | Τ  | F              |
| 2-8   | S11 dup    |               |                                       | Y          | N              | Υ   | N .     |             |           | Τ  | F              |
| 2-9   | S11 spk    |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Τ  | F              |
| 2-10  | S12        |               |                                       | Y          | Ν              | Υ   | N       |             |           | Τ  | F              |
| 3-1   | S13        |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Τ  | F              |
| 3-2   | S14        |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Τ  | F              |
| 3-3   | S15        |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Τ  | F              |
| 3-4   | S16 _      |               |                                       | Y          | Ν              | Υ   | N _     |             |           | T  | F              |
| 3-5   | S17        |               |                                       | Y          | Ν              | Υ   | Ν       |             |           | Τ  | F              |
| 3-6   | S18 _      |               |                                       | Y          | Ν              | Υ   | N .     |             | u es      | Τ  | F "            |
| 3-7   | S19 _      |               |                                       | Y          | Ν              | Υ   | Ν _     |             |           | Τ  | F              |
| 3-8   | S20 _      |               |                                       | Y          | Ν              | Υ   | Ν ,     |             |           | Τ  | F              |
|       |            |               |                                       |            |                |     |         |             |           |    |                |

comments:

### CYANIDE REAGENT PREPARATION LOG

| Sodium Hydroxide, 0.25N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date Prepared: 4/26/11 Analyst: ALW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplier and Lot Number: EMD B0510904 036                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Solution ID: CN NaOH- 042611-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 20 gm NaOH per 2000 mL Final Volume Expiration Date: 4/26/12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Magnesium Chloride Reagent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Date Prepared: 1/31/11 Analyst: ALW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplier and Lot Number: JTBaker 41472                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Solution ID: CN MgCl- 6/3111-( (MMDDYY_X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| gm MgCl2 6H2O per 1000 mL Final Vol. Expiration Date: 1/31/12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sulfuric Acid, 1:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date Prepared: 4/18/11 Analyst: ALW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplier and Lot Number: EMD 49296                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (MMDDYY X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chloramine-T Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Date Prepared: 5/4/11 Analyst: ALW Analyst:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supplier and Lot Number: 57Baker H 44616                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Folution ID: CN ChlorT- 050411-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| gm Chloramine-T per 250 mL Final Vol. Expiration Date: 5/5///                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pyridine-bartituric acid Reagent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ate Prepared: 4-86-11 Analyst: Alwayst: |
| ( MMDYY_X)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| gm Barbituric Acid Supplier and Lot Number: It Baker 322592                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| mL Pyridine Supplier and Lot Number: JF Baker H-28503                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| mL conc. HCL Supplier and Lot Number: EMD 50319                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 725 Eural Volume of DI Expiration Date: 5/26/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phosphate Buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Analyst: All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applier and Lot Number: 37 Baker 3111.52 / H47152                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Olution ID: CN Phos-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| gm NaH2PO4·H2O per <u>500</u> mL Final Vol. Expiration Date: <u>5-26-11</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| January Date of the Land of th |

## CYANIDE CALIBRATION STANDARD SOLUTIONS PREPARATION LOG

| 1000 mg/L Stock Solution:              |                    |                 |                  |           |            |
|----------------------------------------|--------------------|-----------------|------------------|-----------|------------|
| Pate Prepared:                         | 5-3-11             | 20              | _                | Analyst:  | AUN        |
| Stock Cn Calibration Soln ID:          | CN Cal Stock       | <u>(5031)-1</u> |                  |           |            |
| KCN Supplier and Lot Number:C          | 27 201009          | ,               |                  |           |            |
| koн Supplier and Lot Number:           |                    | •               |                  |           |            |
| 0.2503 gm KCN and                      | <u>20</u> gm KOH / | 100 mL          | Expiration Date  | 5-17-     | П          |
|                                        |                    |                 |                  |           |            |
| Intermediate Stock Cyanide solutio     | n, 10 mg/L:        | Úr.             |                  |           |            |
| pate Prepared:                         | 5-3-11             |                 | - ^              | nalyst:   | RW         |
| ID of Stock Cn Calibration Soln Used:  | Q5Q311-            | .[              |                  |           |            |
| Intermediate Cn Calibration Soln ID: ( |                    |                 | ==-8             |           |            |
|                                        |                    | (MMDDYY-X)      | *                | _         | 11.00      |
| 6.0 mL of 1000 mg/L CN                 | diluted to 100 mL  | 0.25N           | Expiration Date  | <u></u>   | 10-11      |
| Intermediate Cyanide Calibration So    | Sution 10 mg/l:    |                 |                  |           |            |
| Date Prepared:                         | -                  |                 | Δ                | nalyst:   | Our S      |
| bate Frepareu.                         | <u> </u>           |                 |                  | lialyst   | ALLI       |
| ID of Intermediate Cn Calibration Soln | Used: <u> </u>     | 11-1            |                  |           |            |
| Inter. Cn Cal. Soin 1.0 mg/L ID: CN C  | al Inter 1.0       |                 | <del></del>      |           |            |
| 2.0 mL of 10 mg/L CN dill              | stad to 400 ml 0.2 | (MMDDYY-X)      | Expiration Data  | 5 .10     | \ II       |
| mL of 10 mg/L CN dill                  |                    | OIN             | Expiration Date: |           | 5-10       |
| Preparation of Calibration Standard    |                    |                 |                  |           |            |
|                                        | _                  |                 |                  |           | a. )       |
| Date Prepared:                         | 5-3-1              | _               | Α                | nalyst: _ | ALW        |
| ID of Intermediate Cn Calibration Soln | Used: <u>దర్</u> ర | 311-1           |                  | _         |            |
|                                        | mL of 1.0 mg/L     | Final Volume.   |                  |           |            |
| Standard Soln ID                       | Standard           | mL              | Conc., mg/L      |           | <b>3</b> 0 |
| Cn Cal Std 1- <u>0503リー</u>            | 25.0               | 50.0            | 0.50             |           |            |
| Cn Cal Std 2                           | 10.0               | 50.0            | 0.20             |           |            |
| Cn Cal Std 3-                          | 5.0                | 50.0            | 0.10             |           |            |
| Cn Cal Std 4                           | 2.5                | 50.0            | 0.05             |           |            |
| Cn Cal Std 5                           | 1.0                | 50.0            | 0.02             |           |            |
| Cn Cal Std 6                           | 0.50               | 50.0            | 0.01             |           | 192        |
| Cn Cal Std 7                           | 0.25               | 50.0            | 0.005            |           | 201        |
| Cn Cal Std 8-                          | 0.00               | 50.0            | 0.000            | 5-10-     | II.        |
| (MMDDYY-X)                             |                    |                 | Expiration Date: | 0-10-     |            |

Standards are prepared in 0.25N NaOH

Note: MMDDYY-X is the identified added to each solution to provide a unique ID for each solution. MM is month, DD is day, YY is year and X is sequential number identifying a particular solution in the event more than one solution is prepared during the day.

ACLI Form 2122.1 Effective Date: February 22, 2008

#### CHECKLIST FOR CYANIDE BY FIA

Analysis Date: \_ - グーリ Solution IDs: Cn Cal 1- 050311-1 Cn Cal 3- C5031\-1 Cn Cal 2- 050311-1 CN Cal 5- 050311-1 Cn Cal 4- 050311-1 CN Cal 6- 050311-1 Cn LFB-\_050311 -Cn Cal 7- 050311-1 Cn ICV- 042611-1 Cn NaOH- 0426211-1 Cn MgCl- 013111-1 CN Acid- 0~11811-1 Cn ChlorT- 050411-Cn PyrBar- 042611-1 Cn Phos- 042611-1 Items in Data Package: Calibration Curve Excel Spreadsheet Auto sampler Table Copies of: Reagent Prep Log Spiking Soln. Prep Log ICV Prep Log Cal. Std. Prep Log Cyanide Distillation Logbook Excel Spreadsheet Quality Control Failures Sample Type Sumple Type Cup # Sample Type Sumple Type Cup # Cup# Notes and Comments DONE Initials of Analyst Reviewing and Submitting Data: Date Reviewed and Submitted: Initials of Analyst Performing Second Level Review:

Date Reviewed and Reported:

### Cargill Iv John G. (DNREC)

From:

Sent: To:

ruthp@atlanticcoastlabs.com Thursday, June 02, 2011 9:51 AM Cargill Iv John G. (DNREC) cyanide data.pdf cyanide data.pdf

Subject:

Attachments:

<<...>>

Hello John, the QC check was ok for the cyanide hit. Data requested is in the attachment.